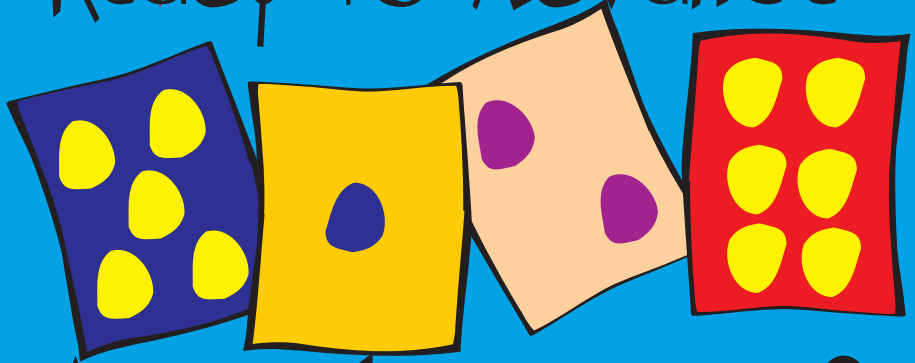
Mighty Math

for 6-8 year olds

Advancing Mathematician

BOOK 3

Ready To Advance



With Mathematics

Kim Freeman

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Author, Kim Freeman

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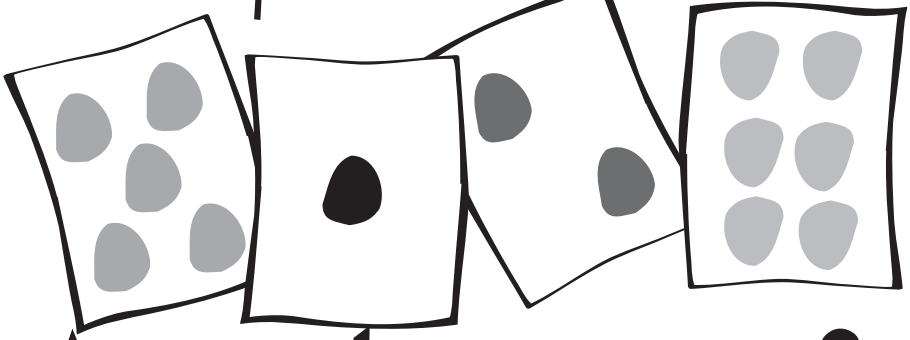


With Mathematics

Kim Freeman

HOW CAN YOU HELP YOUR CHILD IN MATHEMATICS?

Don’t just give this book to your child and expect them to learn by themselves. Any activity is fun when done with others or when there is reinforcement and encouragement. Praise and attention to what they are doing will help towards getting them to sit down to learn next time.

This blue Mighty Maths series, Advancing Mathematician, reinforces the work covered in the previous Mighty Maths series (Beginning Mathematician and Developing Mathematician). The work is progressively more challenging and new concepts are introduced in each book at various points. To help reinforce mathematical skills as well as to maintain motivation, the same type of question is asked in different ways and contexts.

This specific book covers number sequences, arithmetic, fractions, measurement and statistics. This book not only reinforces the type of mathematics that children will be studying in school but helps prepare them for the type of mathematics that they will face over the next two years.

For best results:

- Get your child into a routine for study. This is best done after they have come home from school and had a snack.

- Sit down and explain each of the concepts. To achieve this, parents may have to read ahead to know what will be covered.

- Reinforce concepts in the book by giving extra examples and testing your child on his or her times tables.

- Practise correct writing and spelling of number words. Give extra examples. Don’t just rely on this book. A dozen questions on a piece of paper at a later date will reinforce the work covered and will help consolidate the concepts involved. It all adds to giving your child an advantage at school.

If your child does not understand or makes mistakes then don’t worry! Some new concepts might be confusing at first. As work in this series progresses they will have many opportunities to learn that same concept in similar and different contexts. Therefore, go over the pages, praise what has been done right and talk about what has gone wrong. Rub out their answers and let them try that page again. The work in this series of books will become increasingly more challenging. With some children the learning process will take time, however practice and repetition will lead to increased confidence in mathematics.

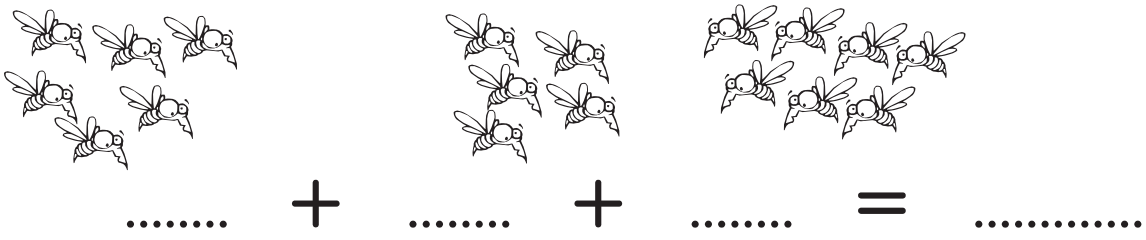
We hope that you and your child have fun with Mighty Maths. At Mahobe, we certainly had fun putting it all together for you.

What Is In This Book?

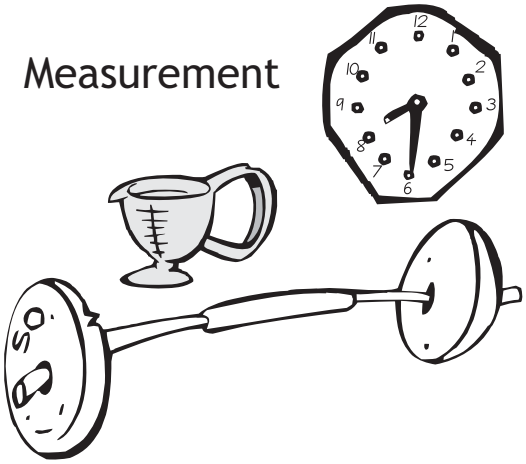
In this book you look at:

Numbers 0 to 100

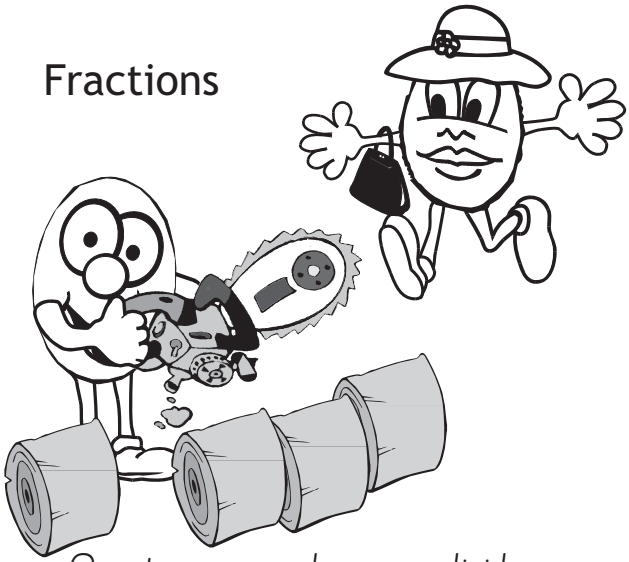
Arithmetic Combinations



Measurement

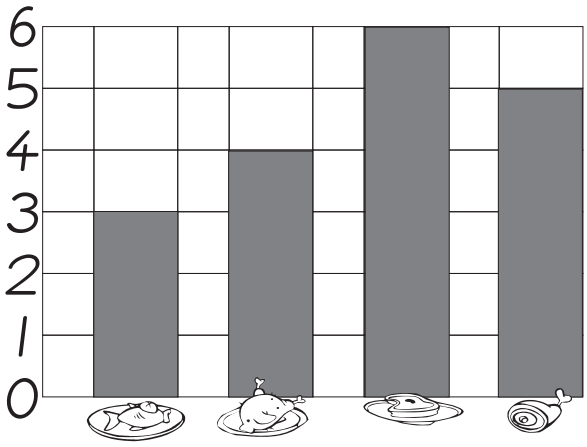


Fractions



Quarters are when you divide an object into 4 equal bits.

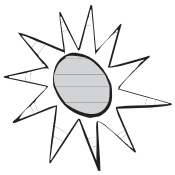
Statistics



Position

Draw a flower
on the right of the tree

Draw a bee
on the flower

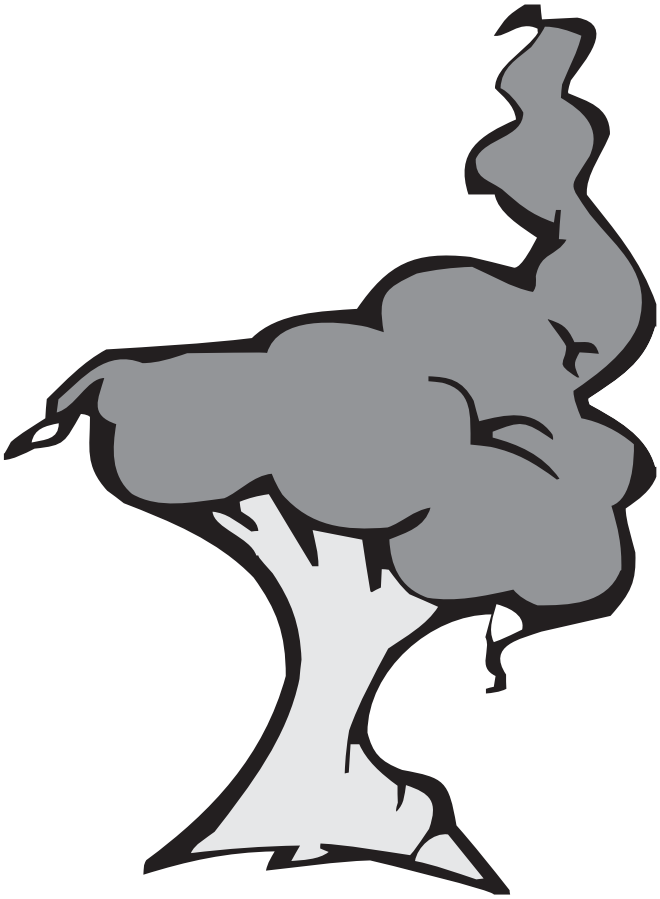


Draw a sun
above the tree

Draw a cat
under the tree.

Draw clouds
on the left and above
the tree.

Draw a bird
on top of the tree.



Opposites

Write the correct word beside each picture.

tall / short

.....

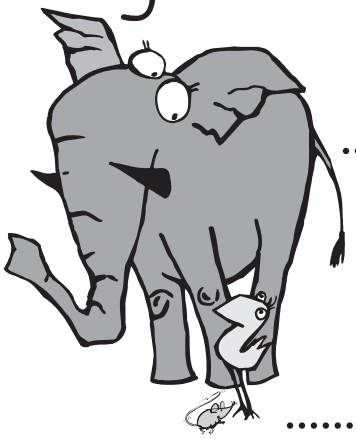
.....

top / bottom

.....

.....

heavy / light

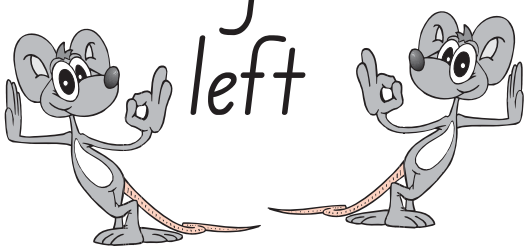


.....

.....

right

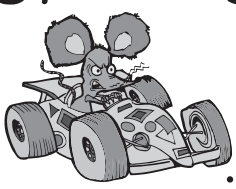
left



....

fast / slow

.....



.....

Combinations

Choose one sandwich and one kind of fruit for lunch.
There are 6 different options.

1 .....

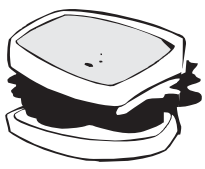
2 .....

3 .....

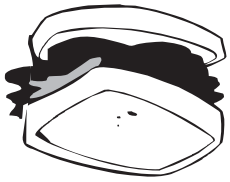
4 .....

5 .....

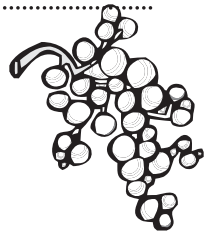
6 .....



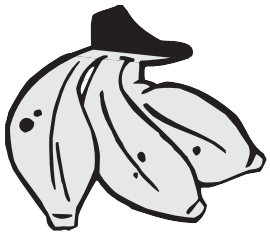
Tomato sandwich



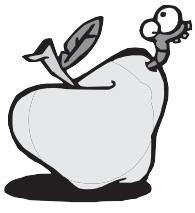
Ham sandwich



Grapes



Banana

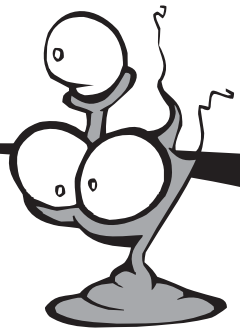


Apple

Counting

Write the correct number or number word.

0	1	2	3	4	5	6	7	8	9	10
	11	12	13	14	15	16	17	18	19	20
	21	22	23	24	25	26	27	28	29	30
	31	32	33	34	35	36	37	38	39	40
	41	42	43	44	45	46	47	48	49	50
	51	52	53	54	55	56	57	58	59	60
	61	62	63	64	65	66	67	68	69	70
	71	72	73	74	75	76	77	78	79	80
	81	82	83	84	85	86	87	88	89	90
	91	92	93	94	95	96	97	98	99	100



zero.....

.....1

.....2

.....3

.....4

.....5

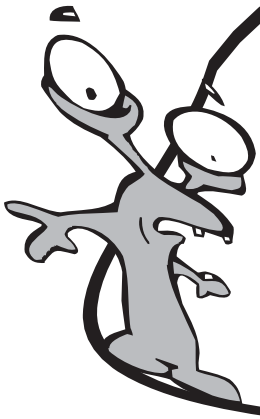
six.....

seven.....

.....8

.....9

.....10



eleven.....

twelve.....

thirteen.....

fourteen.....

.....15

.....16

.....17

.....18

.....19

.....20

ten.....

twenty.....

thirty.....

forty.....

.....50

.....60

.....70

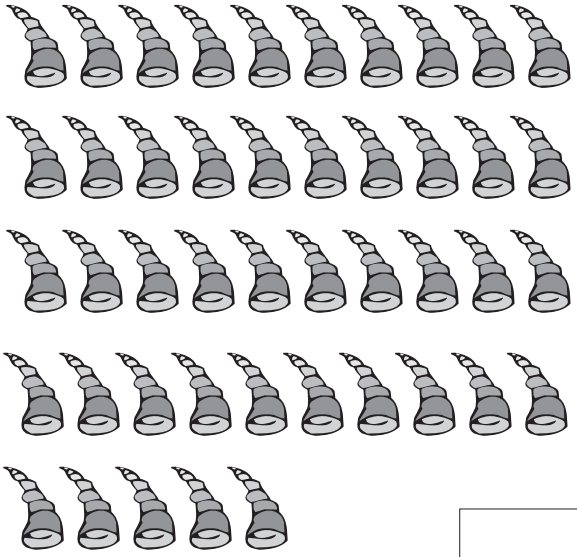
.....80

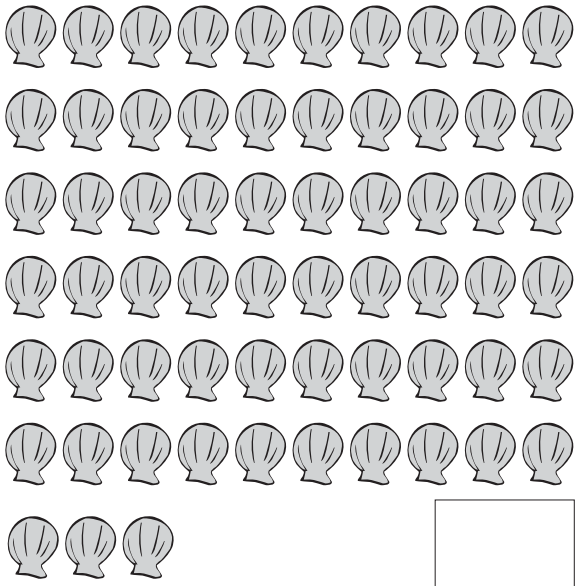
.....90

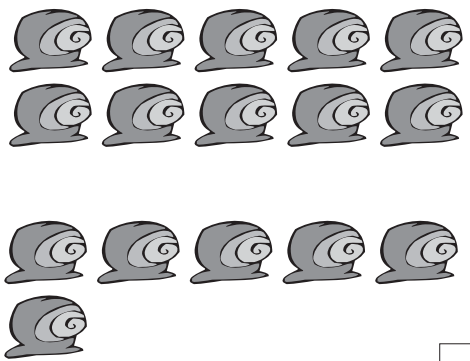
one hundred.....

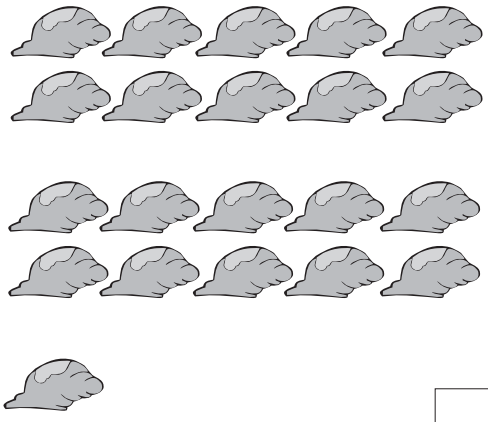
Counting

Count how many of each shell.



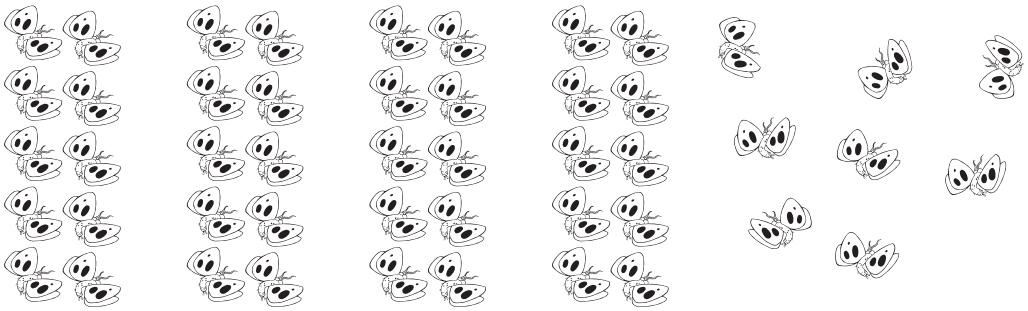




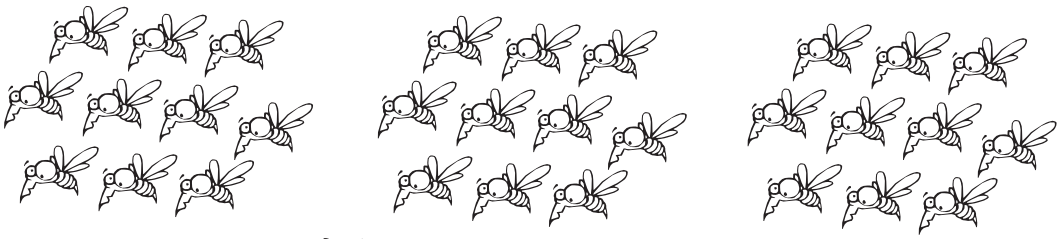


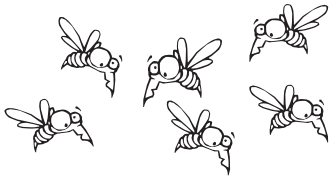
Counting

Count how many of each insect?



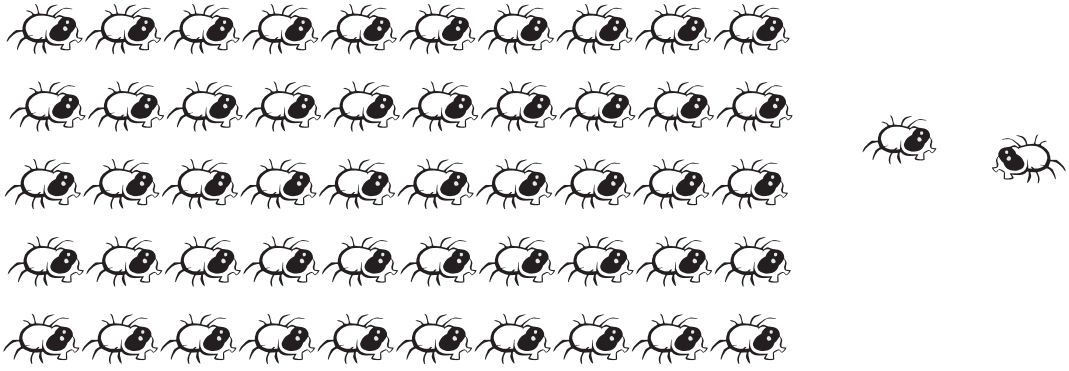
number of butterflies = ☐





number of wasps = ☐

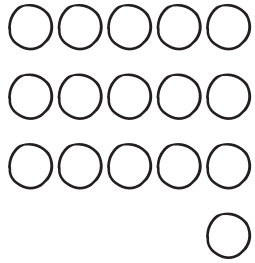
number of flies = ☐

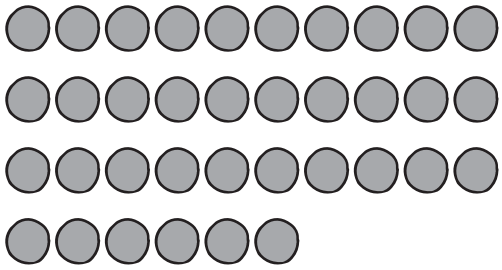


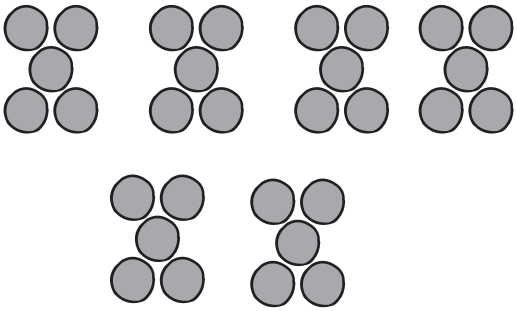
number of aphids = ☐

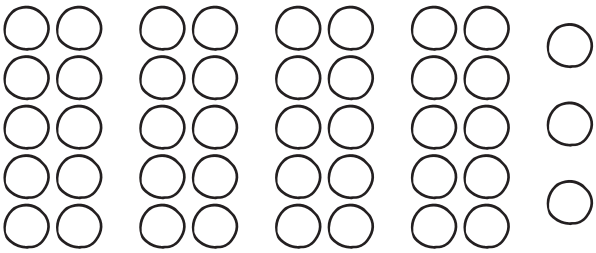
Counting

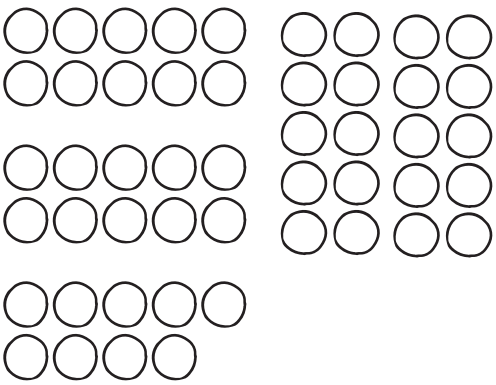
Write the number of circles in each group.

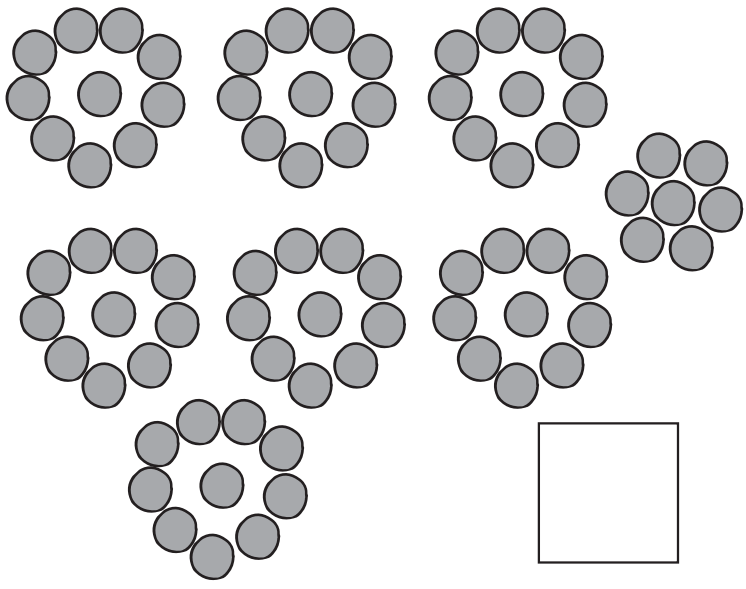






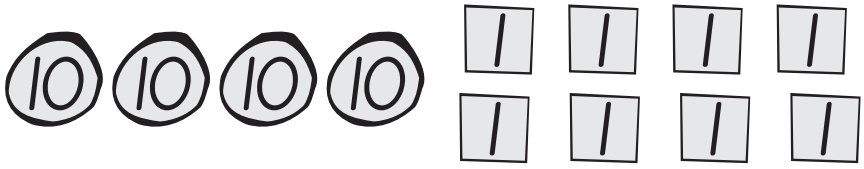


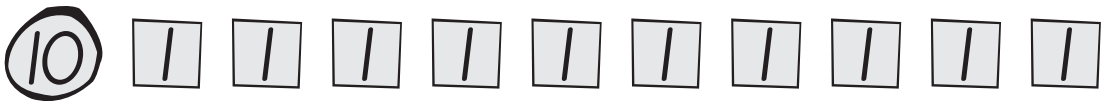




Counting

The circles represent 10. The squares represent 1.
How many does each set represent?





Draw 22 ticks in Box A and 17 crosses in Box B.

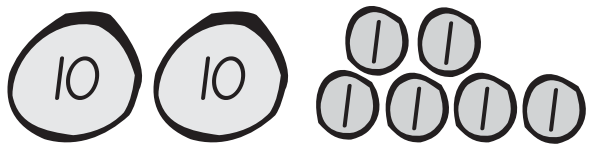
Box A

Box B

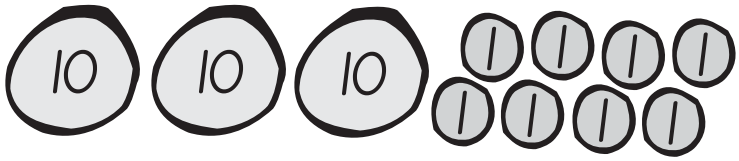
How many crosses and ticks have you drawn altogether?

Counting

Write the numbers being represented.
Show all the numbers on the number line below.

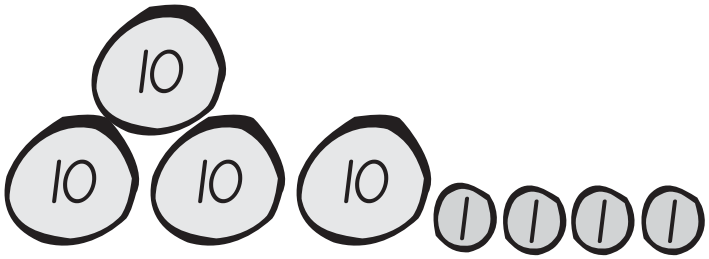


= 26



=.....

=.....



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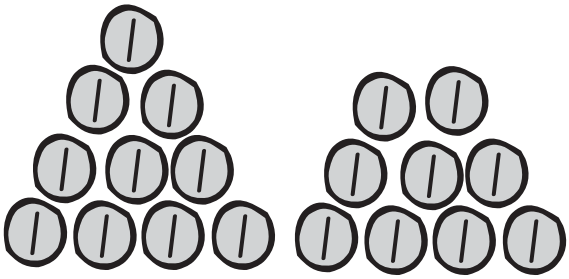

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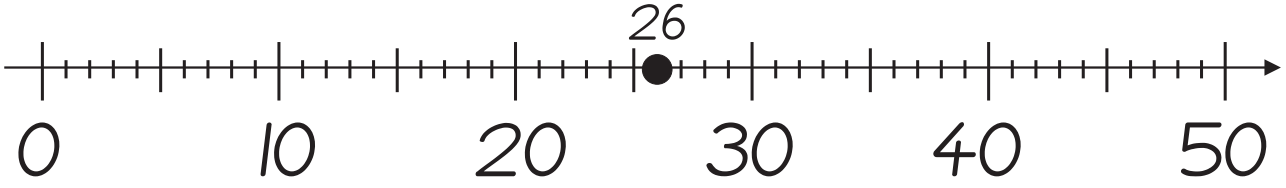
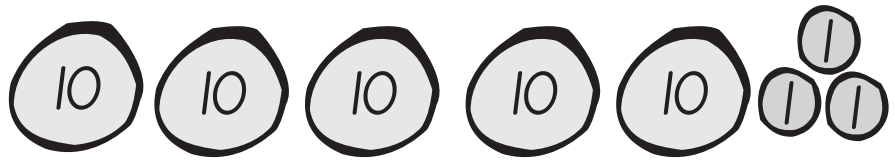


Counting

Write the numbers being represented.
Show all the numbers on the number line below.



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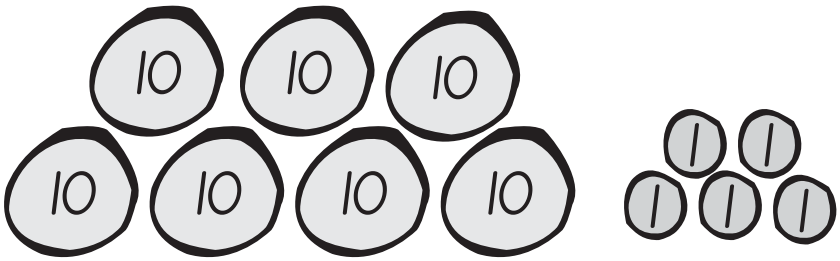

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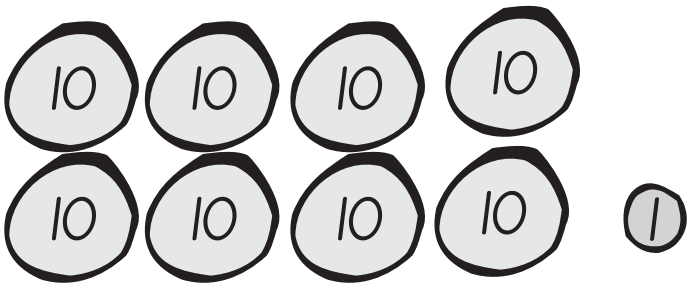

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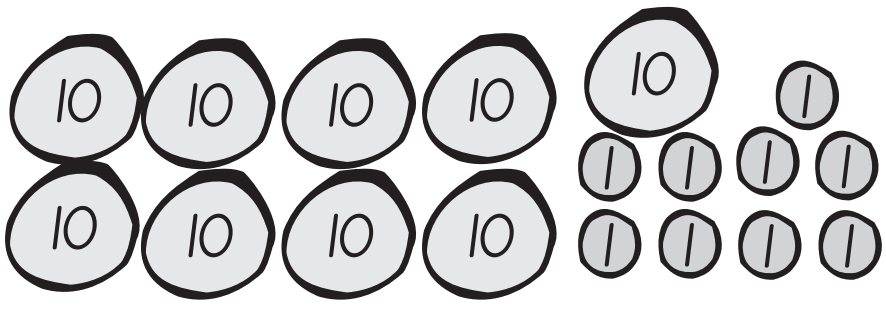

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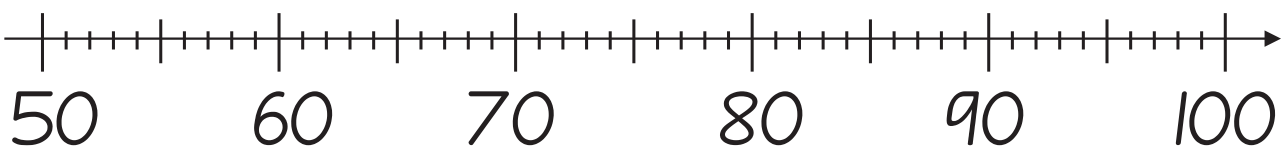
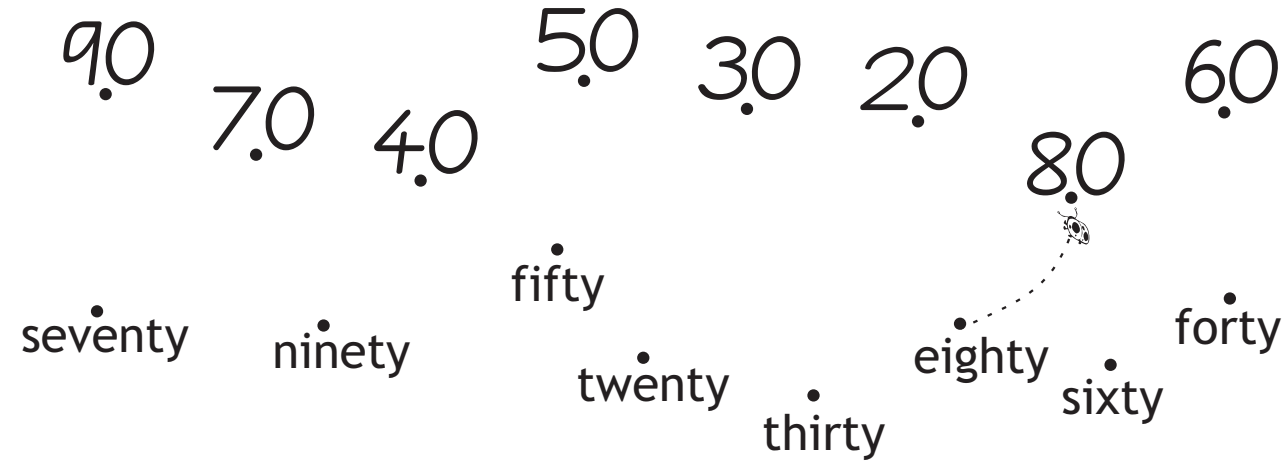


Numbers 0 to 100

Draw a line between the number and the word.



Write an addition and spell the number words.

50+1

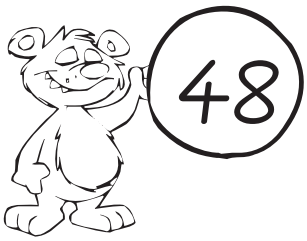
fifty one

.....

.....

.....

.....



.....

.....

.....

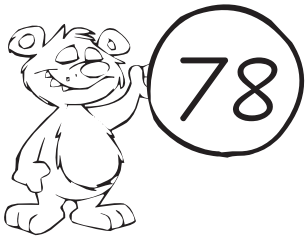
.....

Numbers 0 to 100

Write an addition and spell the number words.

....

....



....

....

....

....

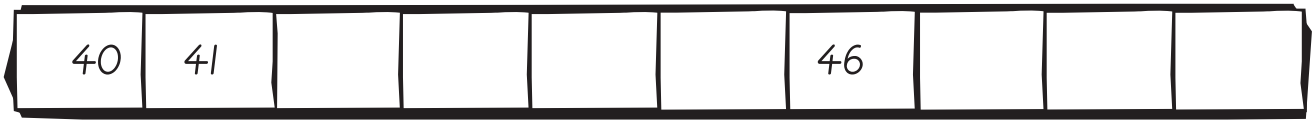
Counting

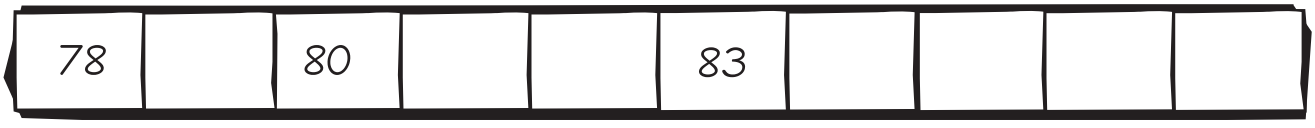
Continue the pattern by counting on in tens.

Continue the pattern by counting back in tens.

Continue the pattern by counting in fives.

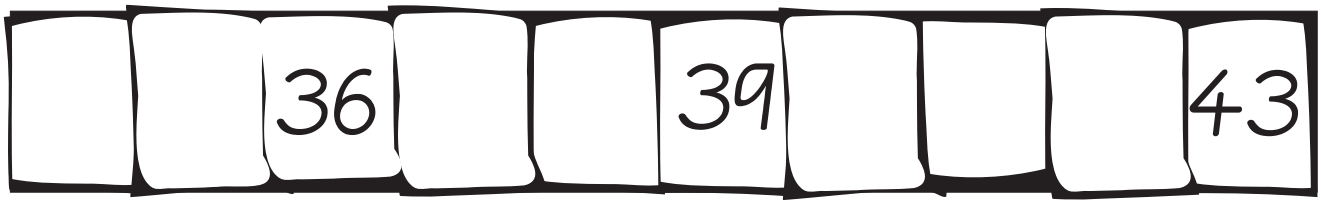
Complete the rest of the numbers on each number line.

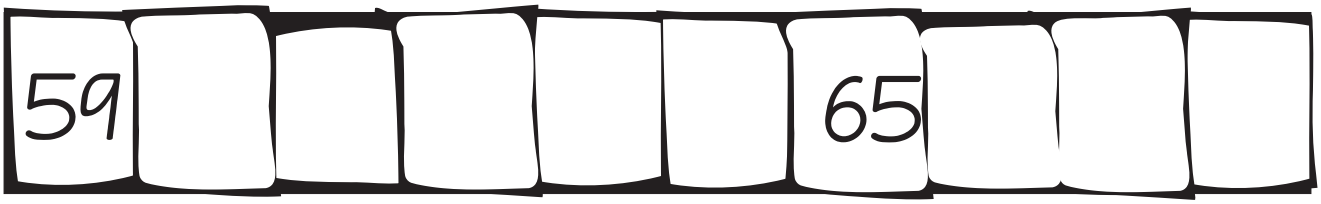




Counting

Complete these number sequences.





Complete these number sentences.

..... is between 44 and 46. 44 46

..... is between 71 and 73. 71 73

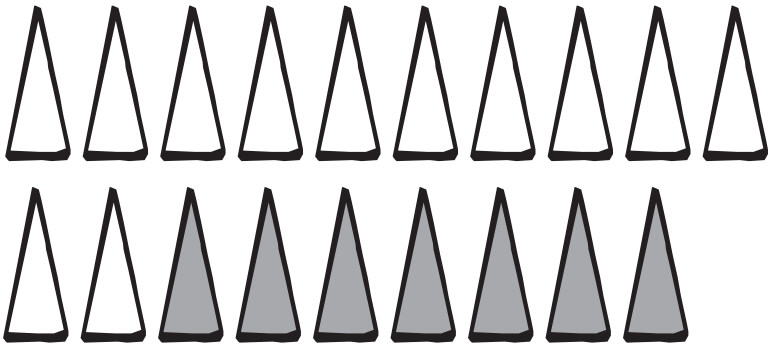
..... is between 89 and 91. 89 91

55 is between ..... and .... 55 .....

97 is between ..... and .... 97 .....

61 is between ..... and .... 61 .....

Arithmetic



12+7=.....

7+12=.....

19–12=.....

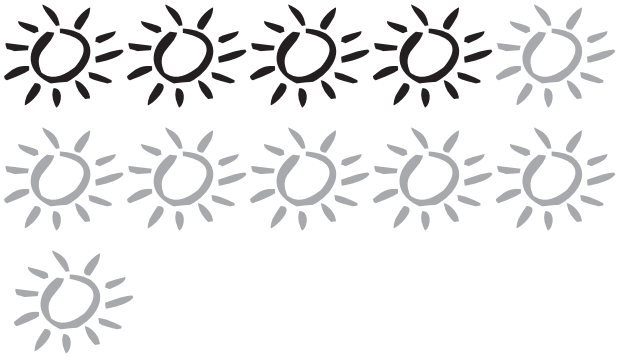
19–7=.....

4+7=.....

7+4=.....

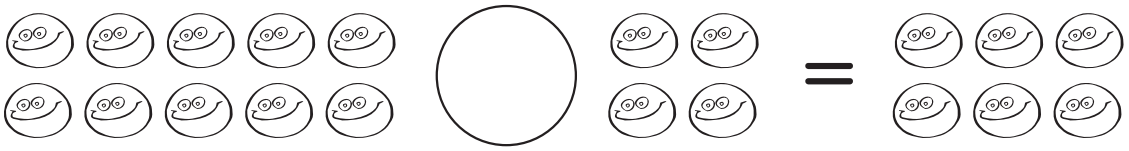
11–7=.....

11–4=.....



Use a + or – sign

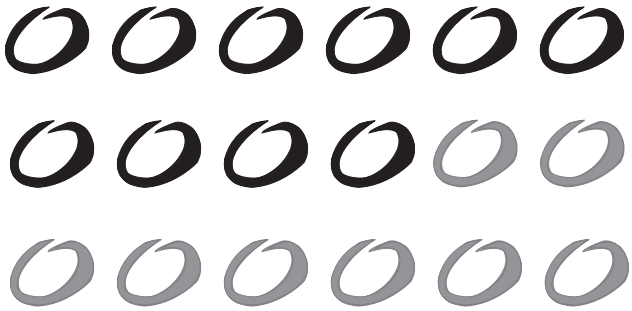
Write the sum below each of the pictures..



.... = ...

.... = ...

Arithmetic



10+8=.....

8+10=.....

18–10=.....

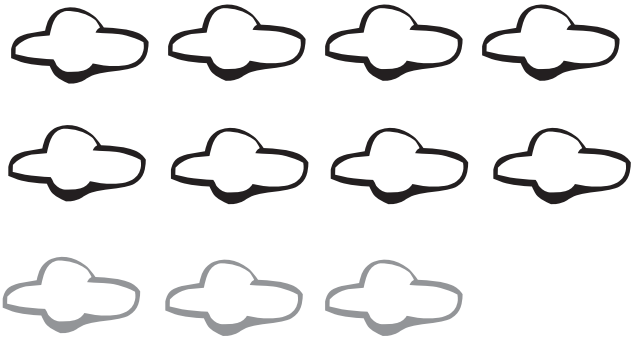
18–8=.....

8+3=.....

3+8=.....

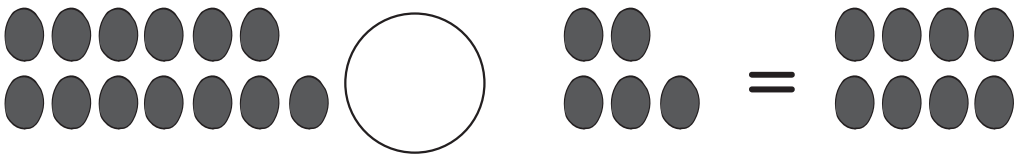
11–8=.....

11–3=.....

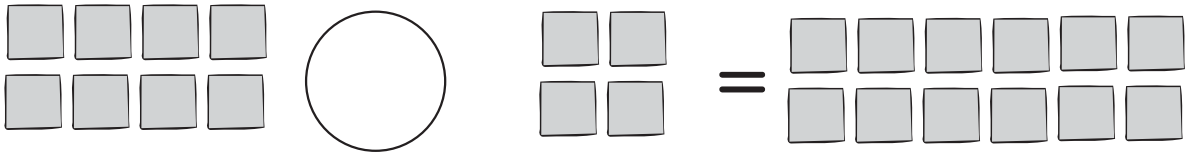


Use a + or – sign

Write the sum below each of the pictures..



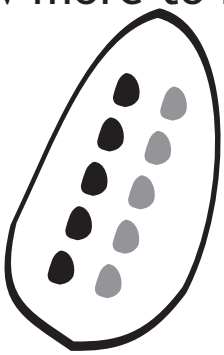
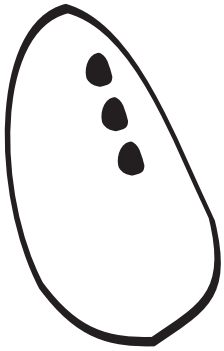
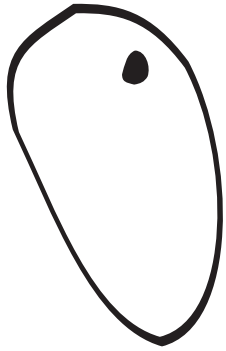
.... = ...



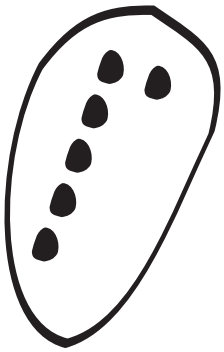
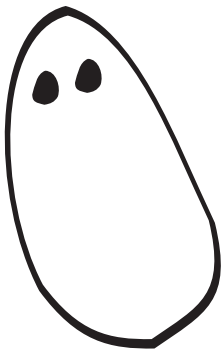
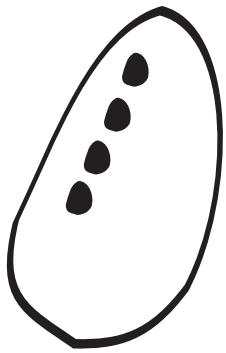
.... = ...

Addition Combinations

Draw more to make 10, then write the addition statement.

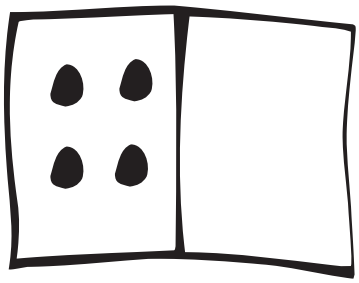
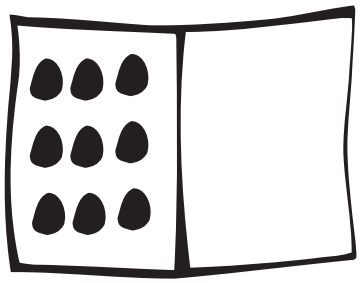
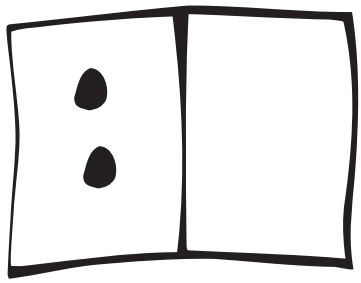
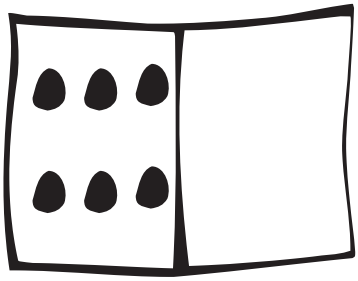
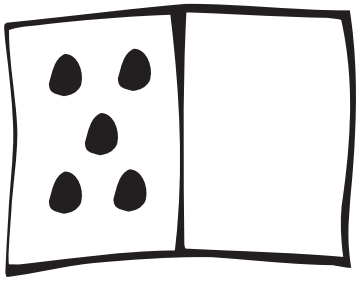
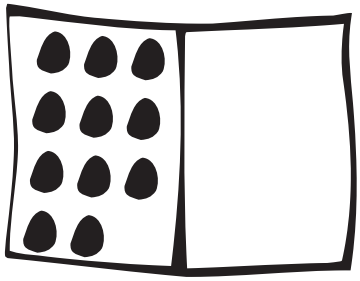




5+5=10 ....

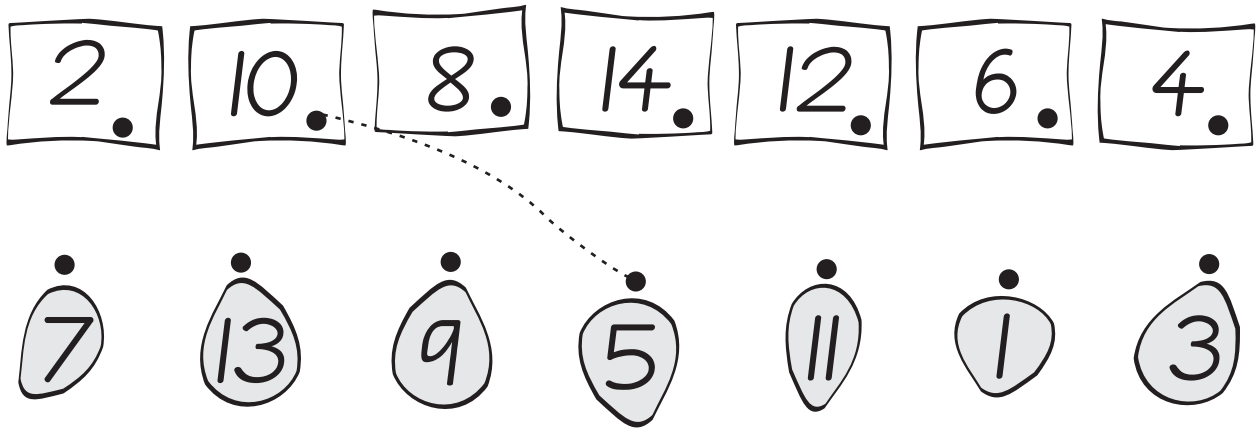
....

Draw more to make 12.

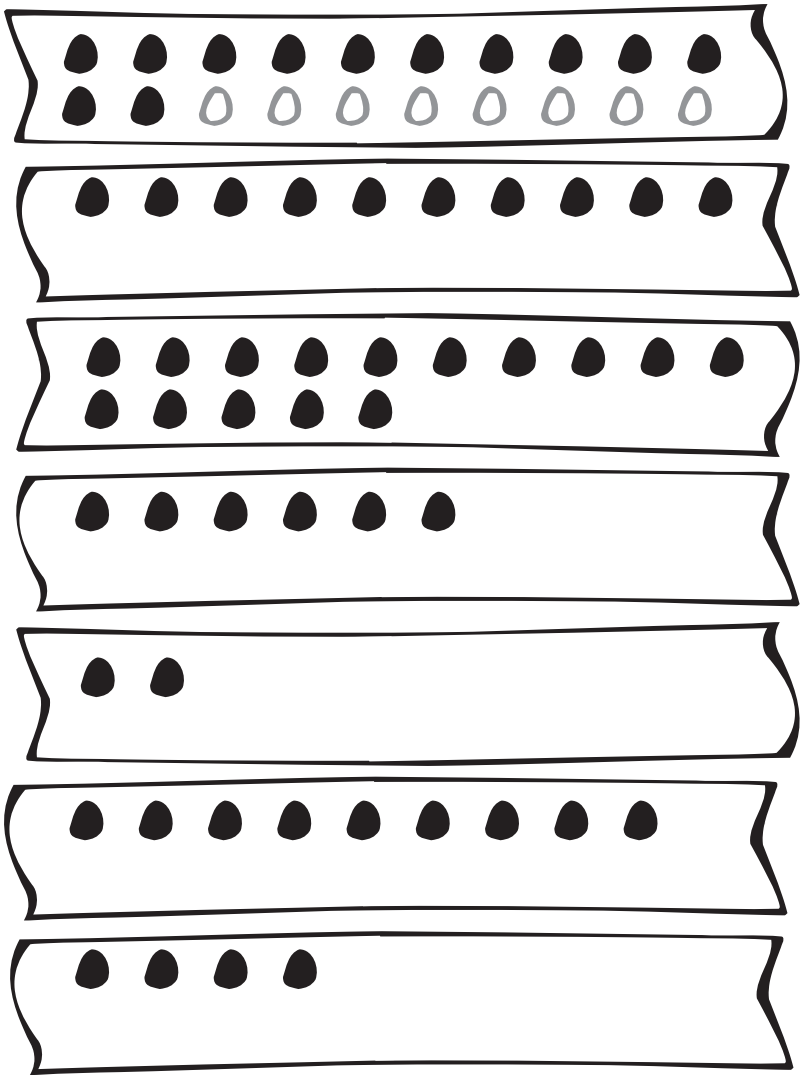







Addition Combinations

Draw a line between all the combinations that make 15.



Draw more to make 20.
Write the addition statement for each.



12+8=20

.....

.....

.....

.....

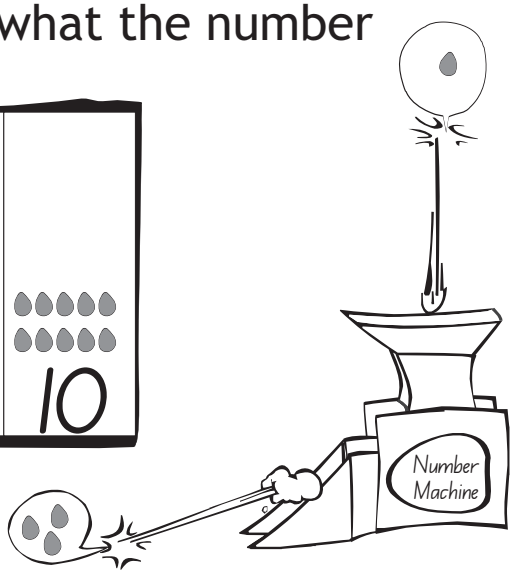
.....

.....

Adding and Subtracting

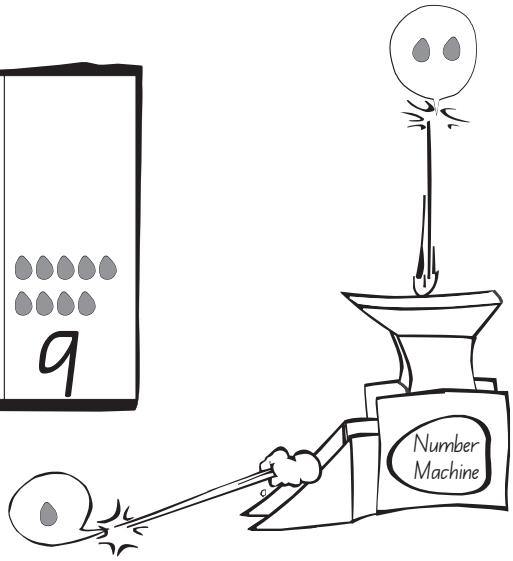
Complete the table and work out what the number machines are doing.

	2	3	5		
	4			9	10

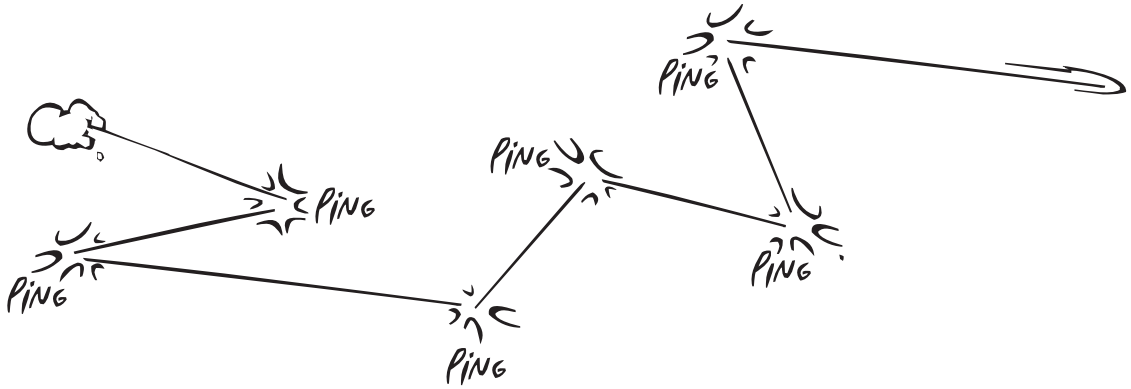


What is the Number Machine above doing? .....

	3	4	6		
	2			7	9



What is the Number Machine above doing? .....

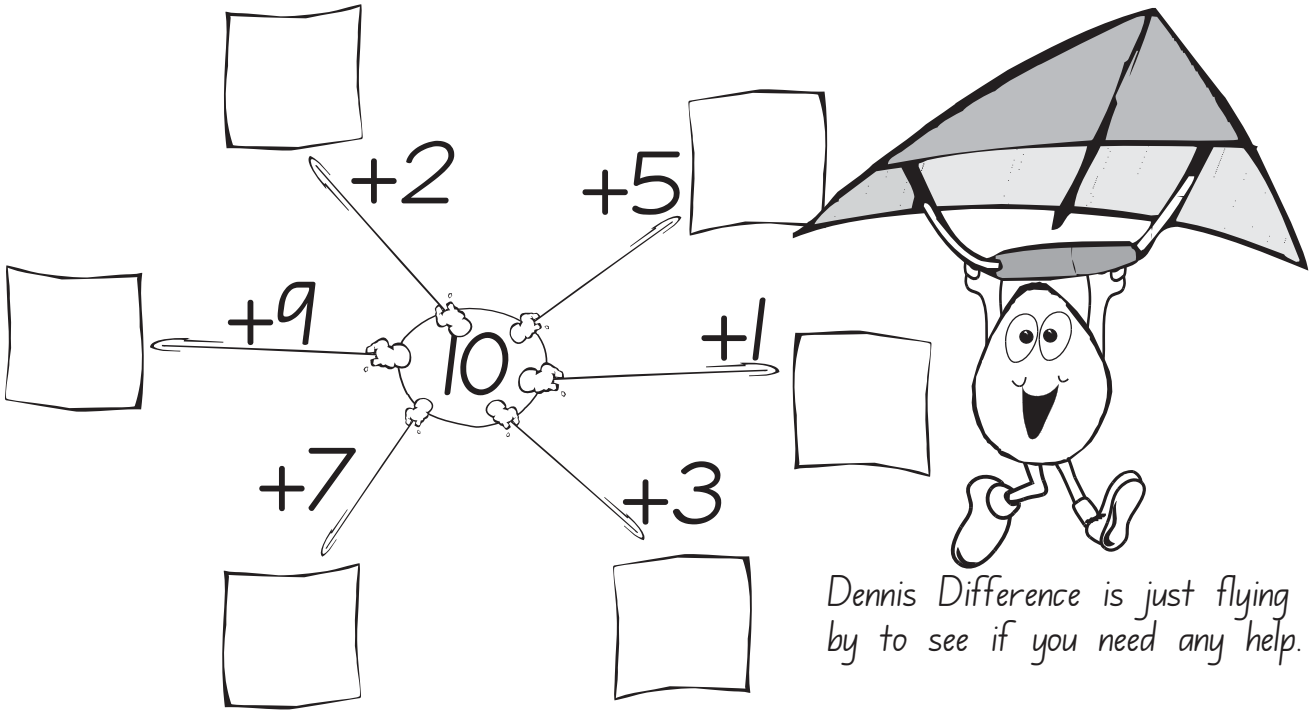


How many times does the missile ping off the wall? .....

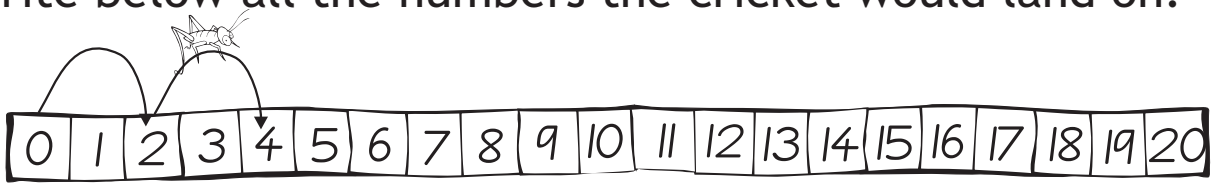
Write the Right Number

Apples are shared between 2 children.
Complete the table to show how many apples each would get.

Apples	2	3	4	5	6	7	8	9	10	11	12
per child	1	1	2								
left over	0	1									



The cricket starts at 0 and jumps two spaces.
Write below all the numbers the cricket would land on.

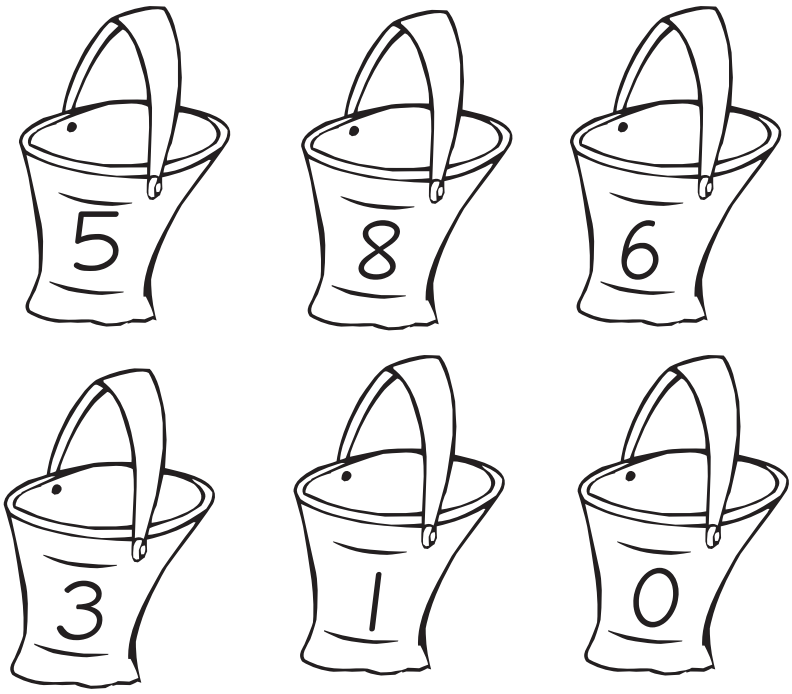


.....

.....

Write the Right Number

Below are 6 buckets. Each bucket holds 10 litres of water. The number on the side of the bucket represents the amount of water left in the bucket. How much water has been used from each bucket?



5+.....=10

8+.....=10

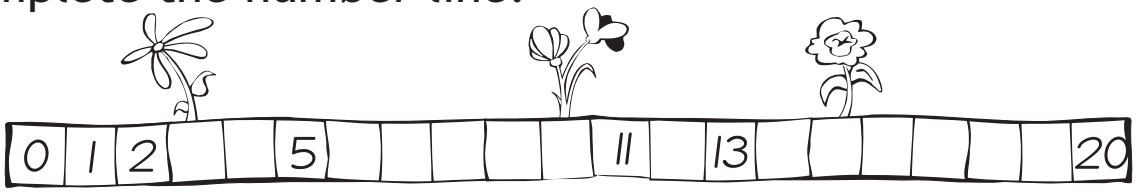
6+.....=10

3+.....=10

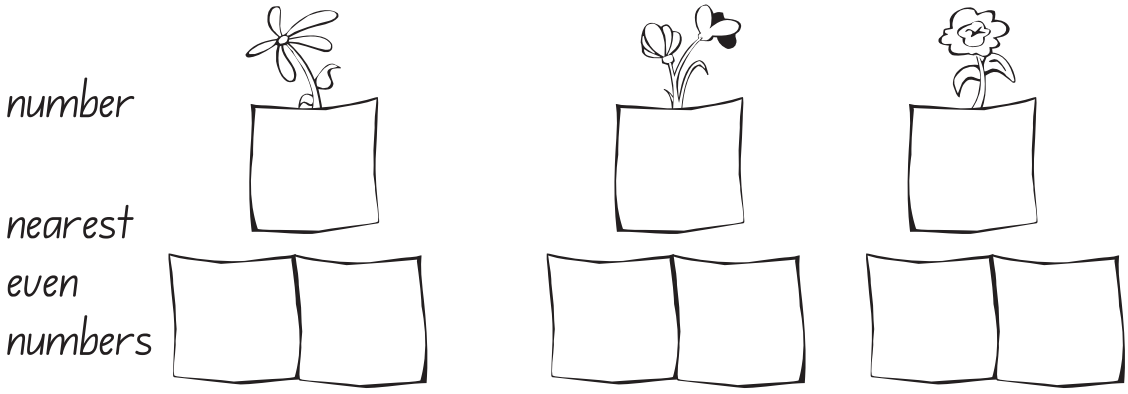
1+.....=10

0+.....=10

Complete the number line.



Write the number that the flowers are growing on then write the nearest even numbers.



Addition Combinations to Twenty

Complete all the sums to equal 20.

9+ ☐ =20

7+ ☐ =20

4+ ☐ =20

5+ ☐ =20

2+ ☐ =20

0+ ☐ =20

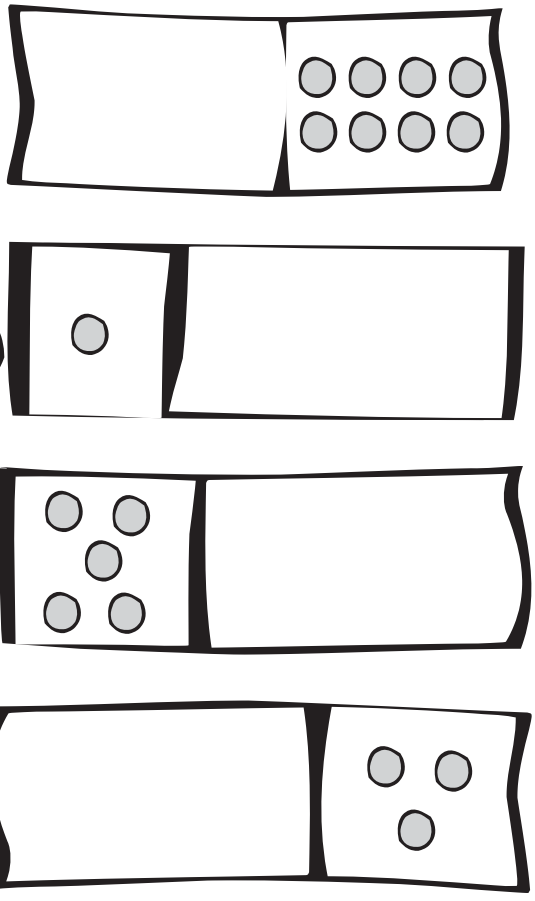
1+.....

3+.....

8+.....

6+.....

5+.....



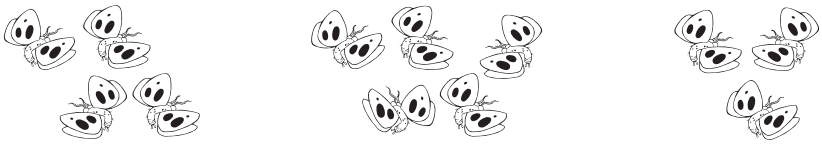
Draw more dots so that each card has a total of 20 dots.

Addition with Three Numbers

Write an addition statement for each of the following.

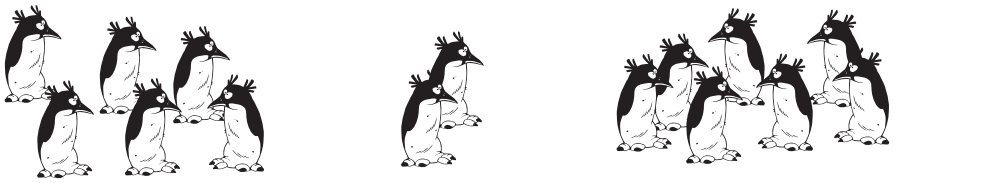
3 + 4 + 2 = 9

..... + ... + ... = ...



..... + ... + ... = ...

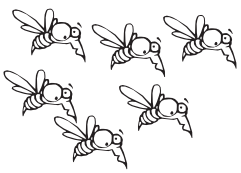
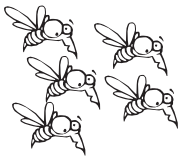
..... + ... + ... = ...



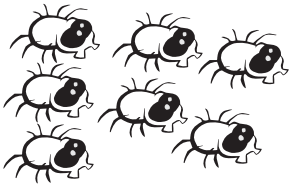
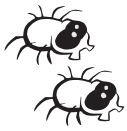
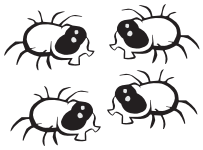
..... + ... + ... = ...

Addition with Three Numbers

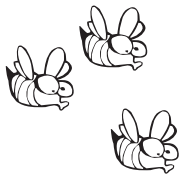
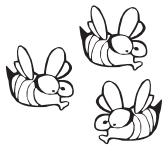
Write an addition statement for each of the following.

..... + ... + ... = ...

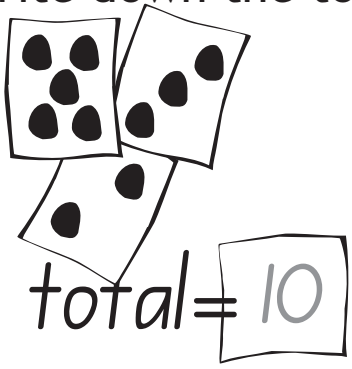




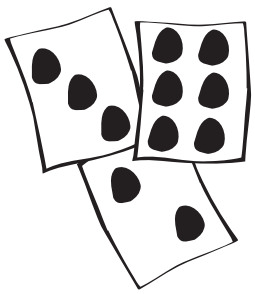
..... + ... + ... = ...

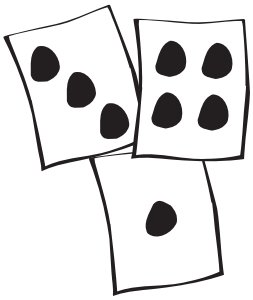



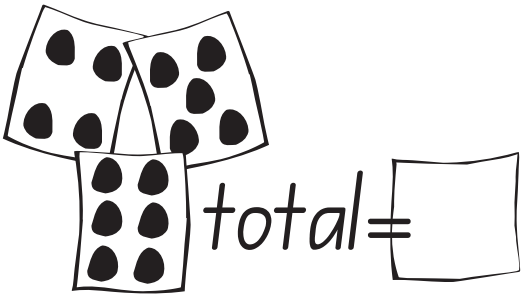
..... + ... + ... = ...

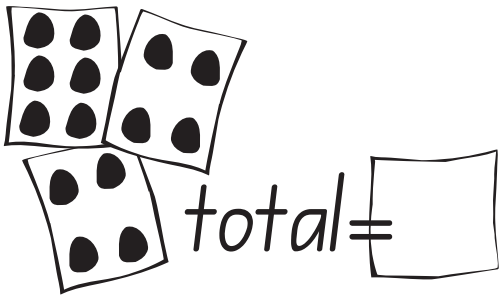
Write down the totals of each set of cards.





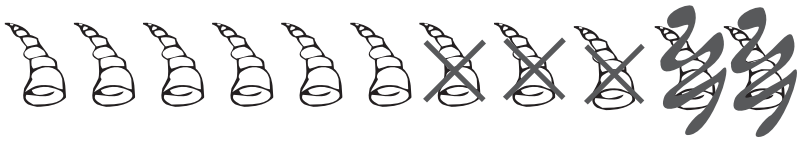






Subtracting Two Numbers

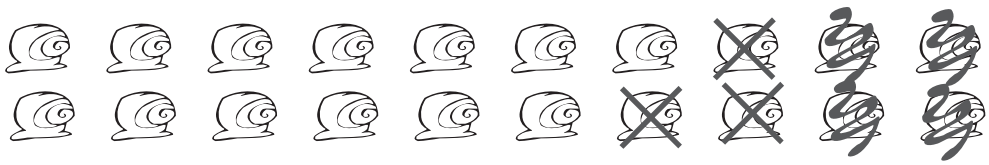
Write a subtraction statement for each of the following.



11 – 3 – 2 = 6

..... – ..... – ..... = ...

..... – ..... – ..... = ...



..... – ..... – ..... = ...

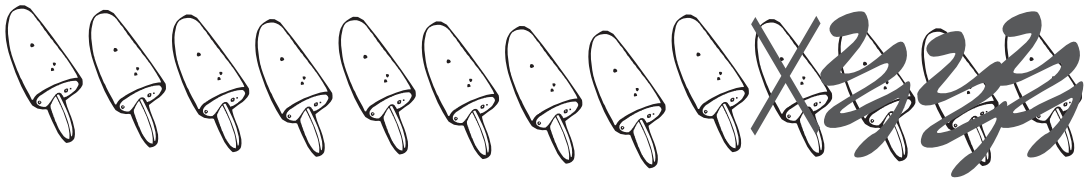
..... – ..... – ..... = ...

Subtracting Two Numbers

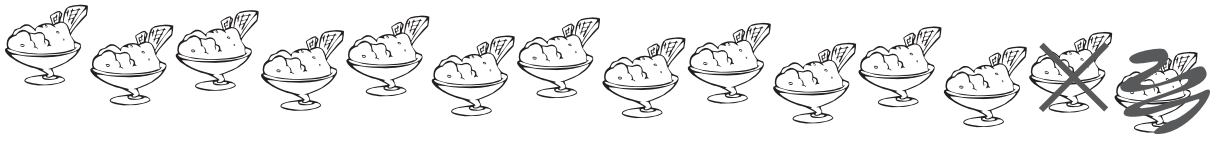
Write a subtraction statement for each of the following.

..... − ..... − ..... = ...

..... − ..... − ..... = ...

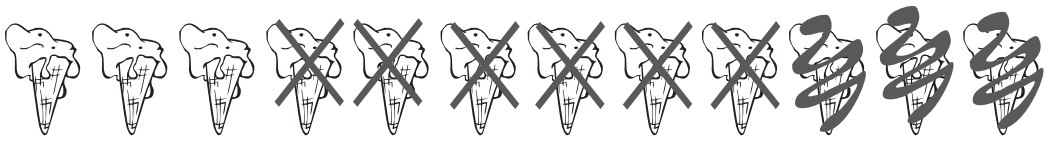


..... − ..... − ..... = ...



..... − ..... − ..... = ...

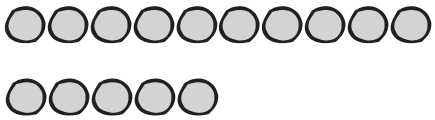
..... − ..... − ..... = ...



..... − ..... − ..... = ...

Addition

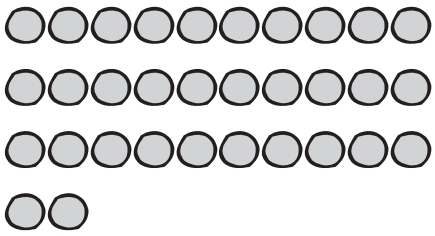
Draw more circles, then count and fill in the blank spaces.



Draw 1 more circle.

..... is 1 more than .....

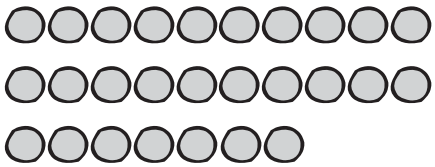
..... + ... = ...



Draw 3 more circles.

..... is 3 more than .....

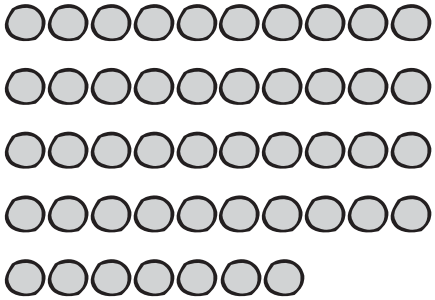
..... + ... = ...



Draw 5 more circles.

..... is 5 more than .....

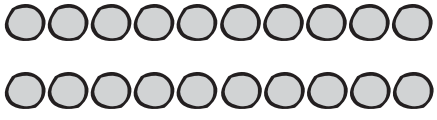
..... + ... = ...



Draw 4 more circles.

..... is 4 more than .....

..... + ... = ...



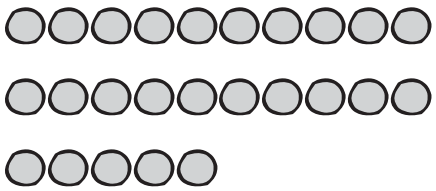
Draw 2 more circles.

..... is 2 more than .....

..... + ... = ...

Subtraction

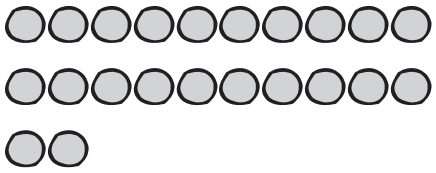
Cross out the correct number of circles then count and fill in the blank spaces.



Cross out 3 circles.

..... is 3 less than .....

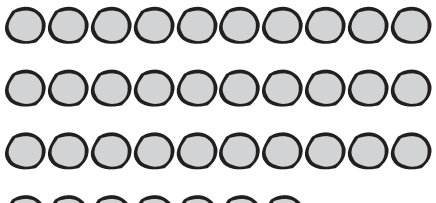
..... - ..... = ...



Cross out 1 circle.

..... is 1 less than .....

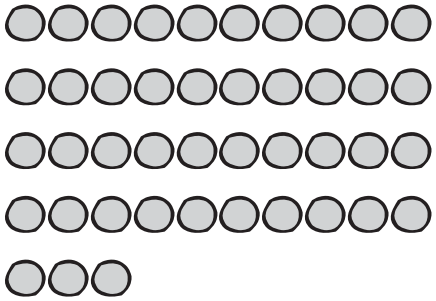
..... - ..... = ...



Cross out 5 circles.

..... is 5 less than .....

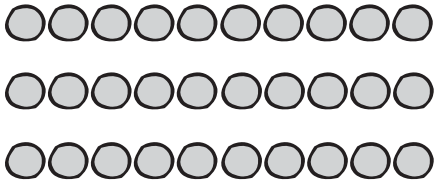
..... - ..... = ...



Cross out 4 circles.

..... is 4 less than .....

..... - ..... = ...



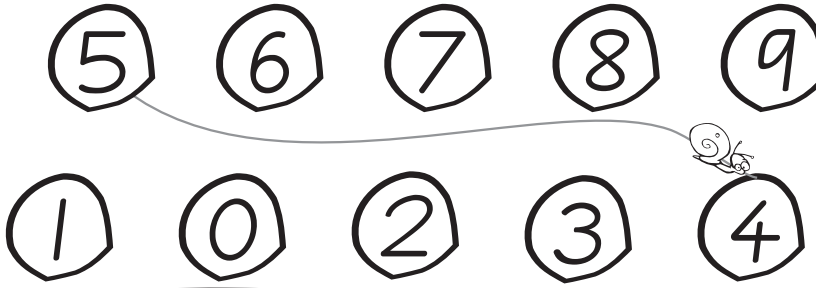
Cross out 2 circles.

..... is 2 less than .....

..... - ..... = ...

Numbers 0 to 100

Draw a line between the numbers that sum to equal 9 then complete the sums below.



Alicia Addison has photographed more sums just for your enjoyment! They are all found on the next few pages.

15+4=.....
25+4=.....
35+4=.....
45+4=.....
65+4=.....

26+3=.....
46+3=.....
66+3=.....
76+3=.....
96+3=.....

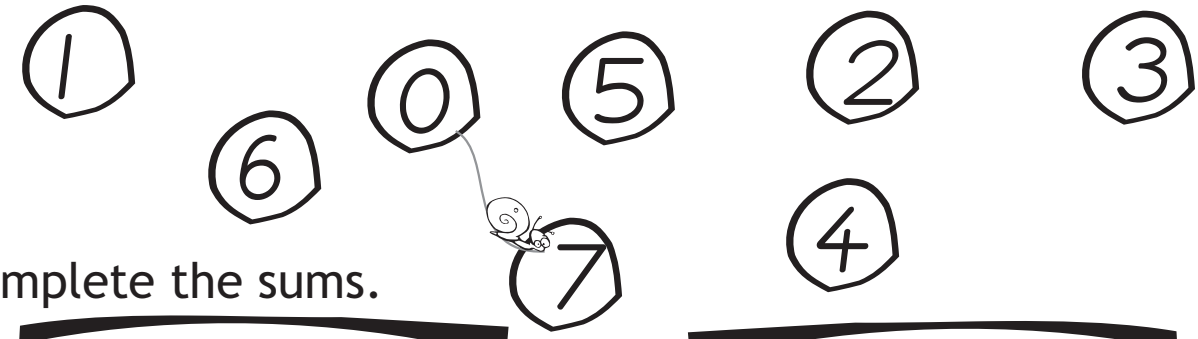
31+8=.....
51+8=.....
71+8=.....
81+8=.....
91+8=.....

10+9=.....
30+9=.....
40+9=.....
50+9=.....
60+9=.....

27+2=.....
37+2=.....
47+2=.....
67+2=.....
87+2=.....

Numbers 0 to 100

Draw a line between the numbers that sum to equal 7.



Complete the sums.

13+4=.....
23+4=.....
43+4=.....
53+4=.....
73+4=.....

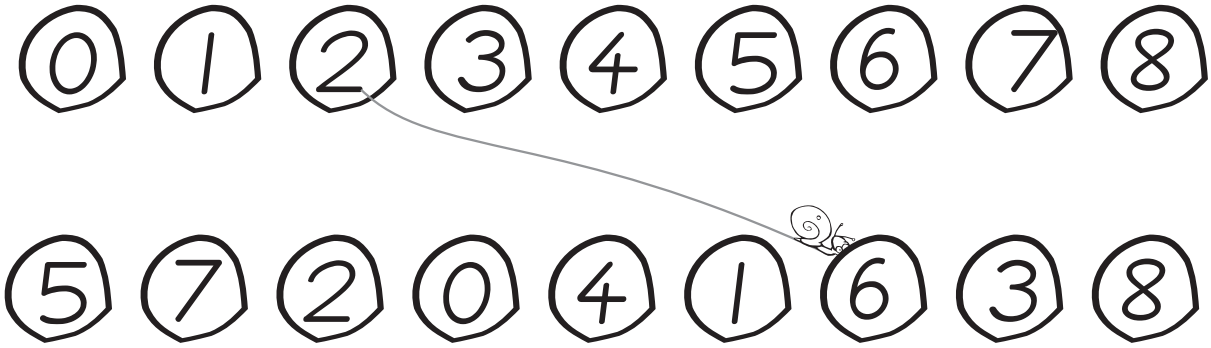
22+5=.....
32+5=.....
52+5=.....
72+5=.....
82+5=.....

10+7=.....
20+7=.....
60+7=.....
70+7=.....
90+7=.....

16+1=.....
46+1=.....
56+1=.....
76+1=.....
86+1=.....

Numbers 0 to 100

Draw a line between the numbers that sum to equal 8.



Complete the sums below.

16+2=.....
36+2=.....
46+2=.....
66+2=.....
96+2=.....

24+4=.....
44+4=.....
54+4=.....
74+4=.....
84+4=.....

18−3=.....
28−3=.....
38−3=.....
58−3=.....

8−5=.....
28−5=.....
68−5=.....
78−5=.....

Numbers 0 to 100

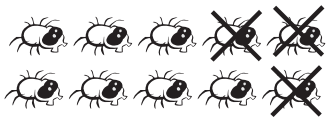
Complete the sums below.

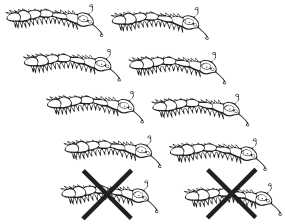
6+8=14	5+8=13	8+8=16
16+8=24	15+8=23	18+8=26
26+8=.....	25+8=.....	28+8=.....
36+8=.....	35+8=.....	38+8=.....
46+8=.....	45+8=.....	48+8=.....
76+8=.....	65+8=.....	68+8=.....
86+8=.....	85+8=.....	78+8=.....

2+8=.....	4+8=.....	7+8=.....
12+8=.....	14+8=.....	17+8=.....
22+8=.....	34+8=.....	47+8=.....
32+8=.....	44+8=.....	57+8=.....
42+8=.....	54+8=.....	67+8=.....
92+8=.....	84+8=.....	77+8=.....

Numbers 0 to 100

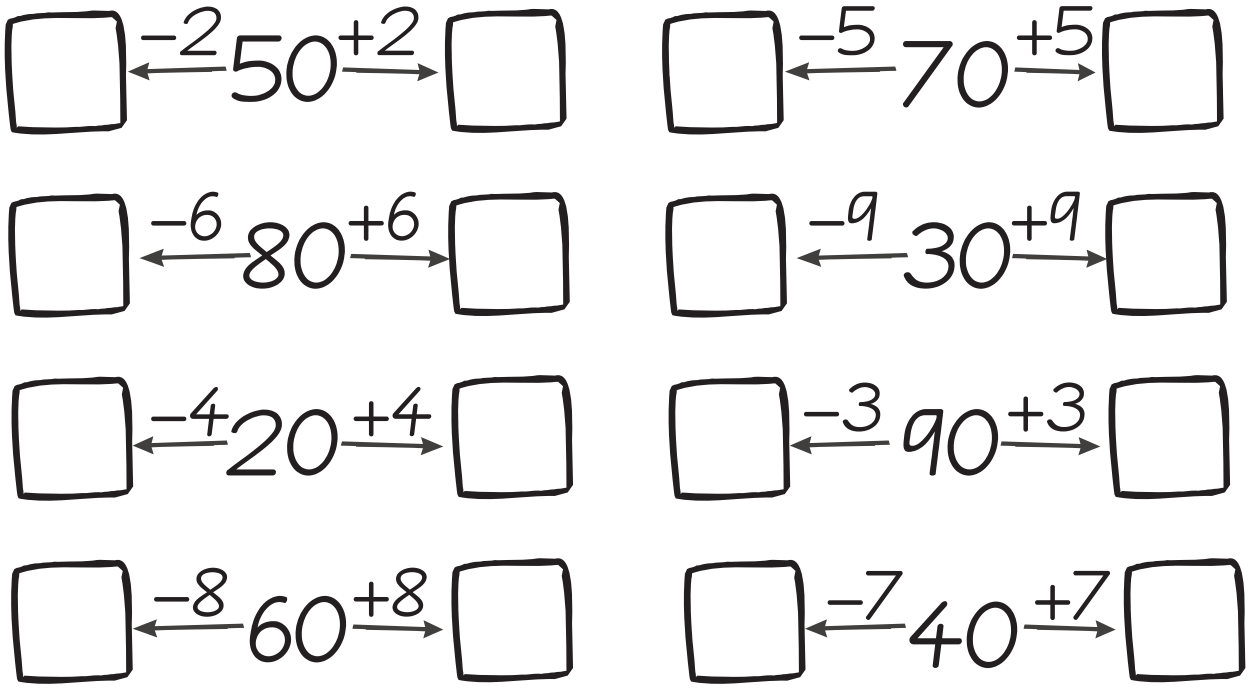
Complete the sums below.





10−3=7	10−6=.....	10−2=.....
20−3=.....	20−6=.....	20−2=.....
30−3=.....	30−6=.....	40−2=.....
40−3=.....	50−6=.....	60−2=.....
50−3=.....	70−6=.....	70−2=.....
60−3=.....	90−6=.....	80−2=.....

Fill in the missing numbers.



Numbers 0 to 100

Complete the addition and subtraction sums below.

Add 5

7+5=.....

17+5=.....

27+5=.....

37+5=.....

47+5=.....

Add 3

8+3=.....

18+3=.....

28+3=.....

38+3=.....

48+3=.....

Add 8

4+8=.....

14+8=.....

24+8=.....

34+8=.....

44+8=.....

Subtract 2

5–2=.....

15–2=.....

25–2=.....

35–2=.....

45–2=.....

55–2=.....

Subtract 6

9–6=.....

19–6=.....

29–6=.....

39–6=.....

49–6=.....

59–6=.....

Subtract 4

6–4=.....

16–4=.....

26–4=.....

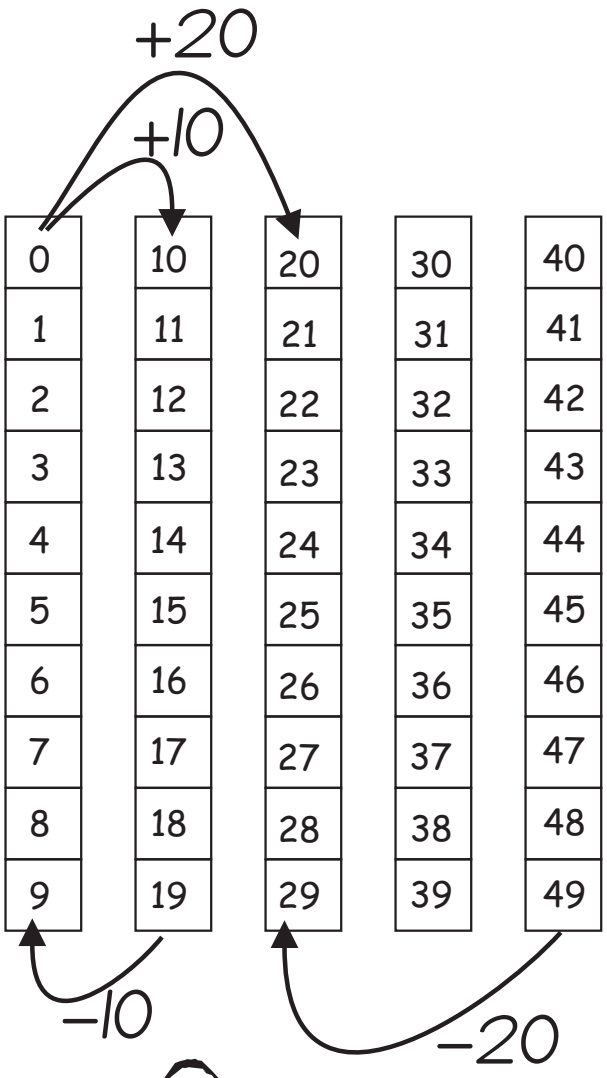
36–4=.....

46–4=.....

56–4=.....

Numbers 0 to 100

Use the number diagram to answer the sums below.



5+10=.....

7+10=.....

13+10=.....

16+10=.....

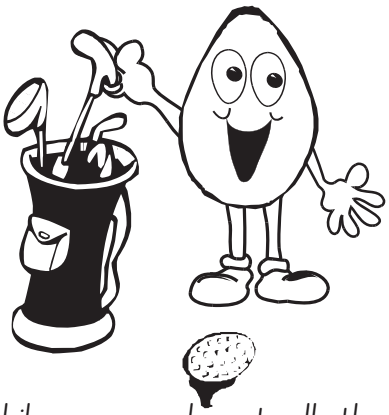
25+10=.....

20+20=.....

22+20=.....

24+20=.....

28+20=.....



While you work out all the answers on this page, Dennis Difference is going to have a quick game of golf.

15−10=.....

28−10=.....

33−10=.....

47−10=.....

45−20=.....

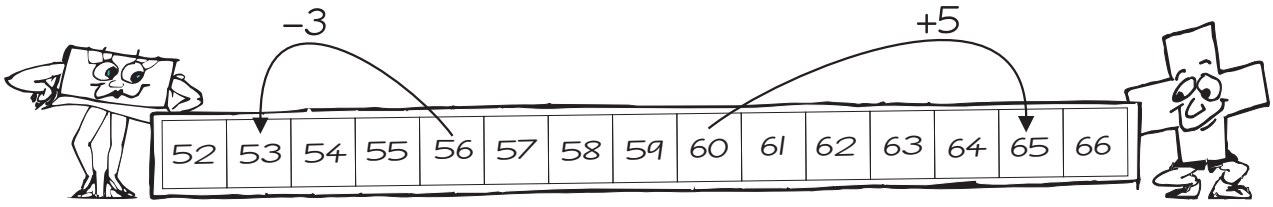
36−20=.....

31−20=.....

24−20=.....

Numbers 0 to 100

Use the number line to answer the addition and subtraction sums.



52+3=..... 57−6=.....

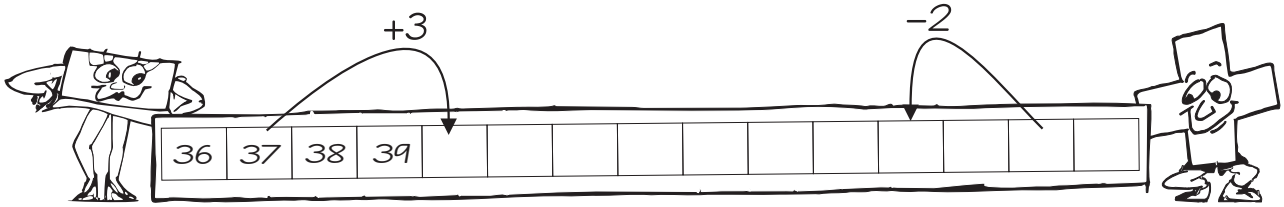
53+7=..... 60−3=.....

55+4=..... 59−8=.....

58+5=..... 56−2=.....

61+4=..... 64−6=.....

Complete the number line then answer the addition and subtraction sums.



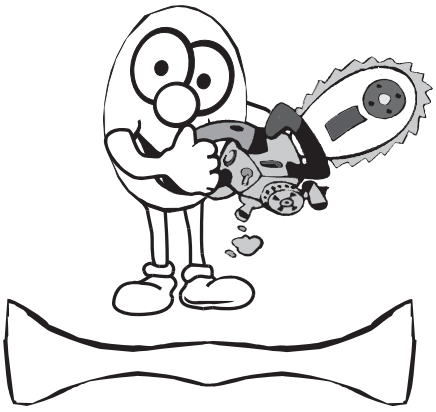
38+4=..... 36+5=..... 50−4=.....

40+5=..... 39+4=..... 49−2=.....

42+6=..... 45−5=..... 43−4=.....

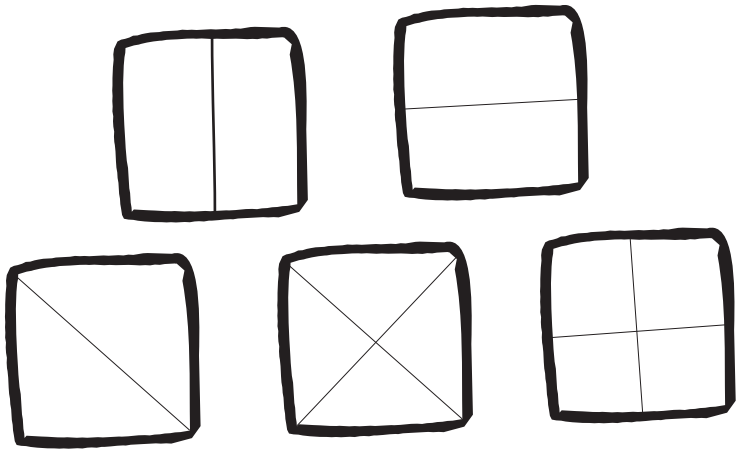
48+2=..... 47−3=..... 41−5=.....

Fractions

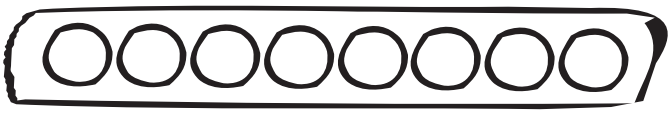


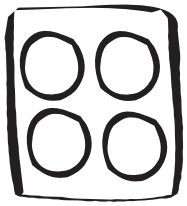
Half is when you split something in two.

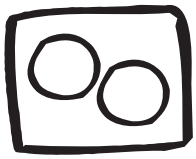
Colour in half of each square.

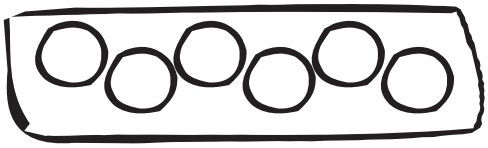


Colour half the circles in each group.









Fill in the missing numbers.

1 is half of .....

4 is half of .....

5 is half of .....

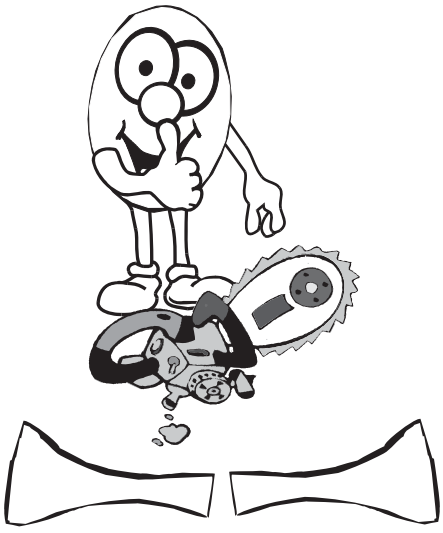
6 is half of .....

8 is half of .....

3 is half of .....

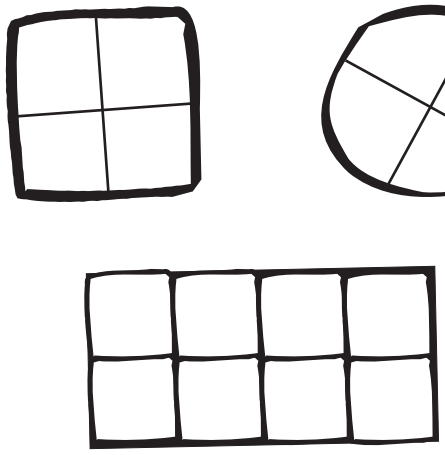
7 is half of .....

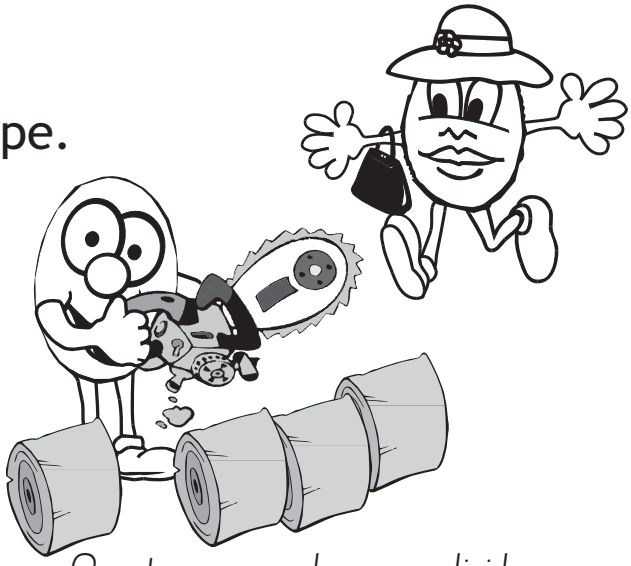
2 is half of .....



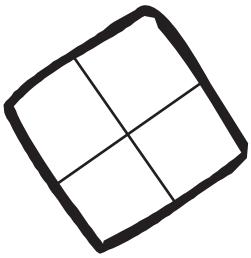
Fractions

Colour in a quarter of each shape.

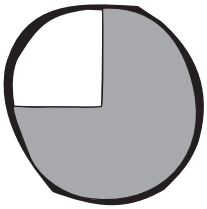


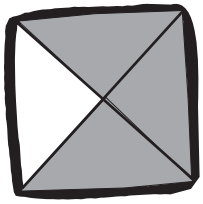


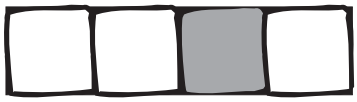
Quarters are when you divide an object into 4 equal bits.



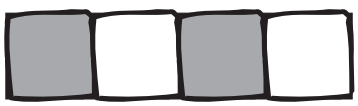
How much of each shape is shaded? one half one quarter or three quarters?

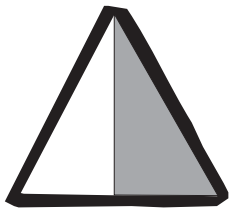


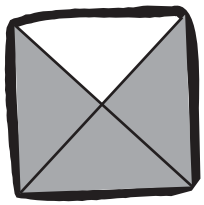




....







....

Fractions

Choose the correct word (part, half or a pattern).

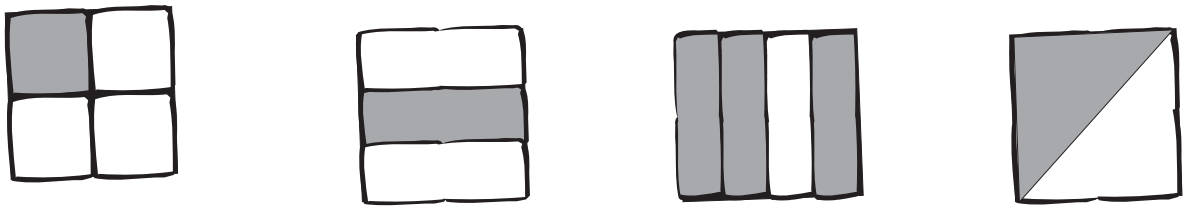
A fraction is.....of something.

Write the number that is half of these numbers.

20 ☐ 60 ☐ 50 ☐ 30 ☐

10 ☐ 40 ☐ 70 ☐ 90 ☐

Write the fraction that is shaded.



Colour one half of the circles.

○○○○○○○○○○
○○○○○○○○○○

$\frac{1}{2}$ of 20=.....

Colour one third of the squares.

☐☐☐☐☐☐☐☐☐

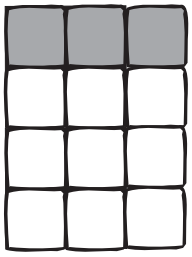
$\frac{1}{3}$ of 9=.....

Colour one quarter of the triangles.

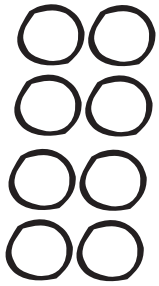
△△△△△△
△△△△△△

$\frac{1}{4}$ of 12=.....

Fractions

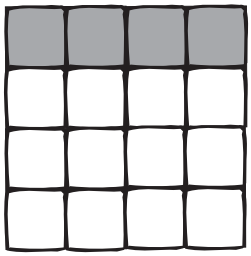


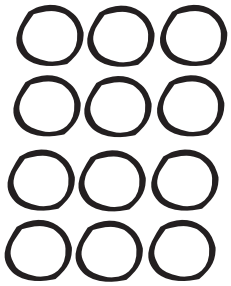
Colour three quarters of the circles.



$\frac{1}{4}$ of 12=.....

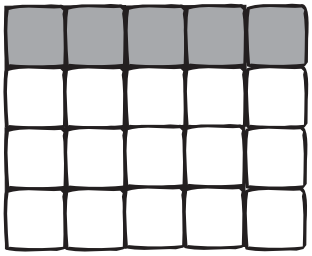
$\frac{3}{4}$ of 8=.....

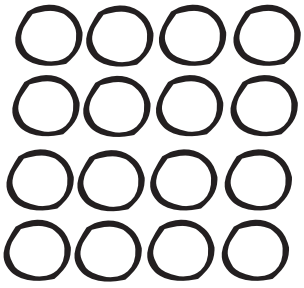




$\frac{1}{4}$ of 16=.....

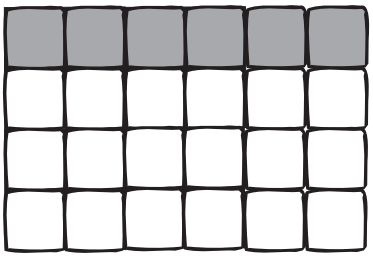
$\frac{3}{4}$ of 12=.....



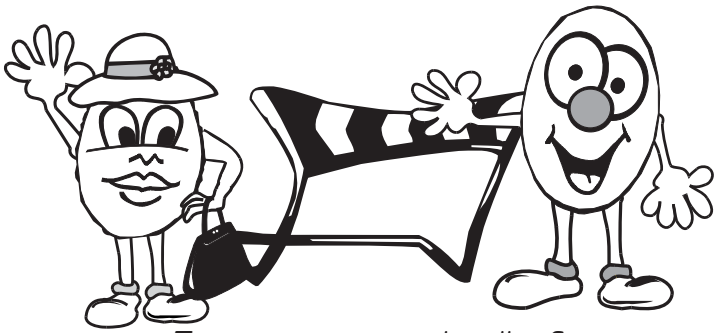


$\frac{1}{4}$ of 20=.....

$\frac{3}{4}$ of 16=.....



$\frac{1}{4}$ of 24=.....



Fractions are no hurdle for
Dana Divisor or B. J. Product.

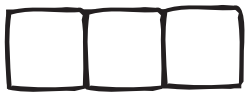
Fractions

Write the number that is one quarter of.

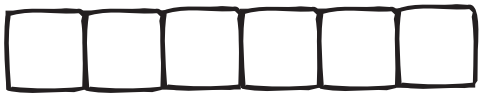
8 ☐ 20 ☐ 16 ☐

12 ☐ 4 ☐ 24 ☐

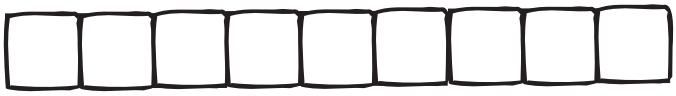
Shade one third of these shapes.



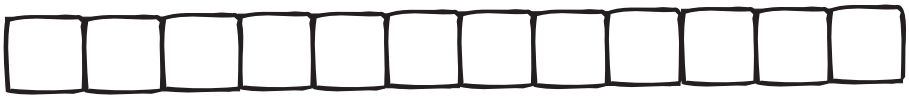
$\frac{1}{3}$ of 3 =.....



$\frac{1}{3}$ of 6 =.....

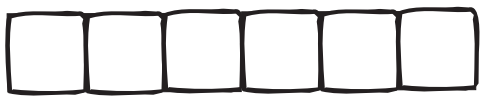


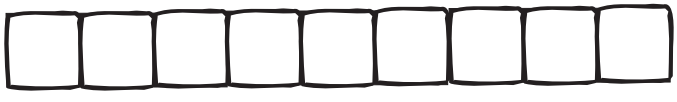
$\frac{1}{3}$ of 9 =.....

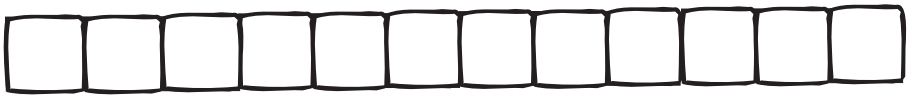


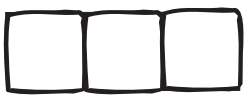
$\frac{1}{3}$ of 12 =.....

Now shade two thirds of the shapes.





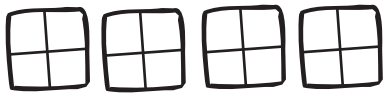




Fractions

How many whole ones in:

4 halves = ...

16 quarters  = ...

15 thirds = ...

How many in each team if you
divided this group of 8 into two teams?

.....

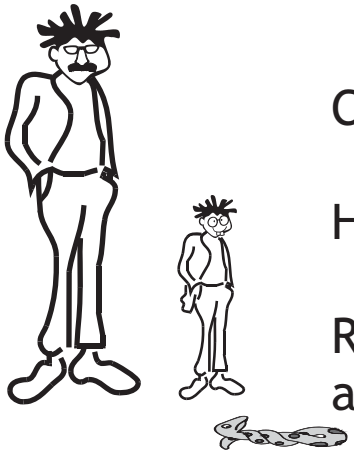
How many in each team if you
divided this group of 9 into three teams?

.....

How many in each team if you
divided this group of 12 into three teams?

.....

Measurement - length

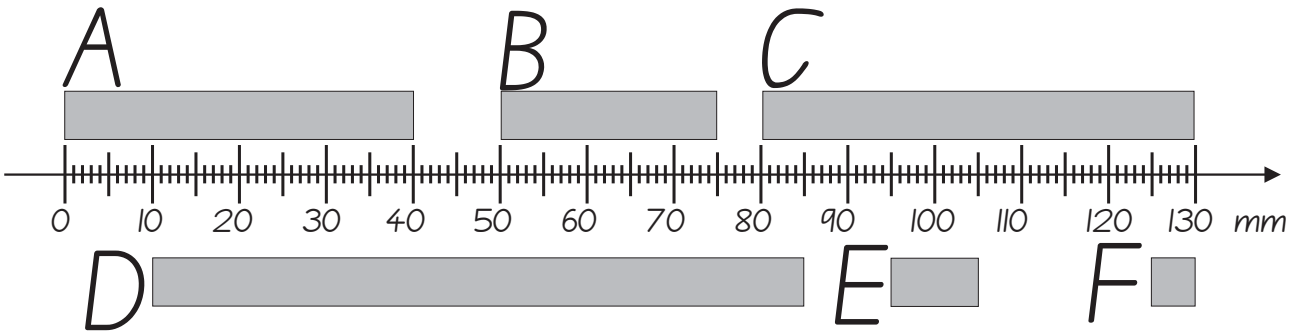


Chris is 2m tall. His son Richie is half as tall.

How tall is Richie? .....

Richie has a pet snake, Max, which is twice as long as Chris is tall.

How long is each rectangle?



A = ... B = ... C = ...

D = ... E = ... F = ...

The abbreviation for millimetres is .....

The abbreviation for ..... is cm

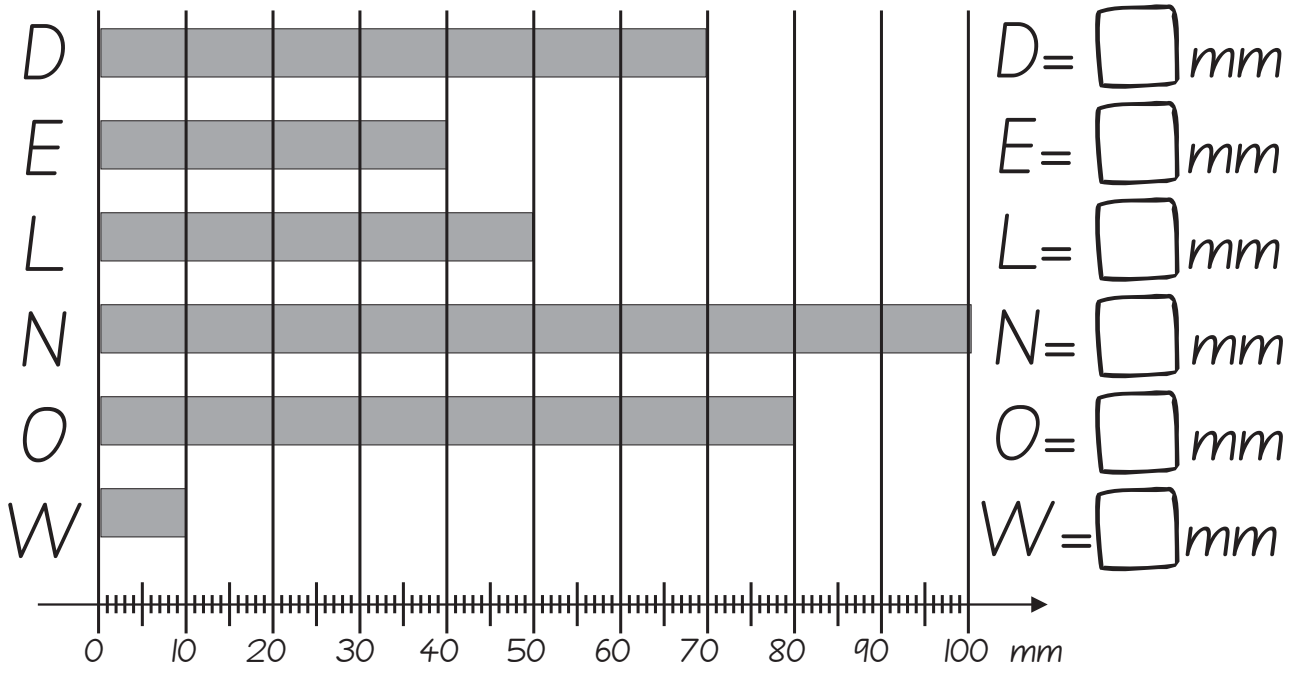
1 cm = ☐ mm 1m = ☐ cm

Put these lengths in order starting with the shortest.

1m, 10cm 1mm, 50mm .....

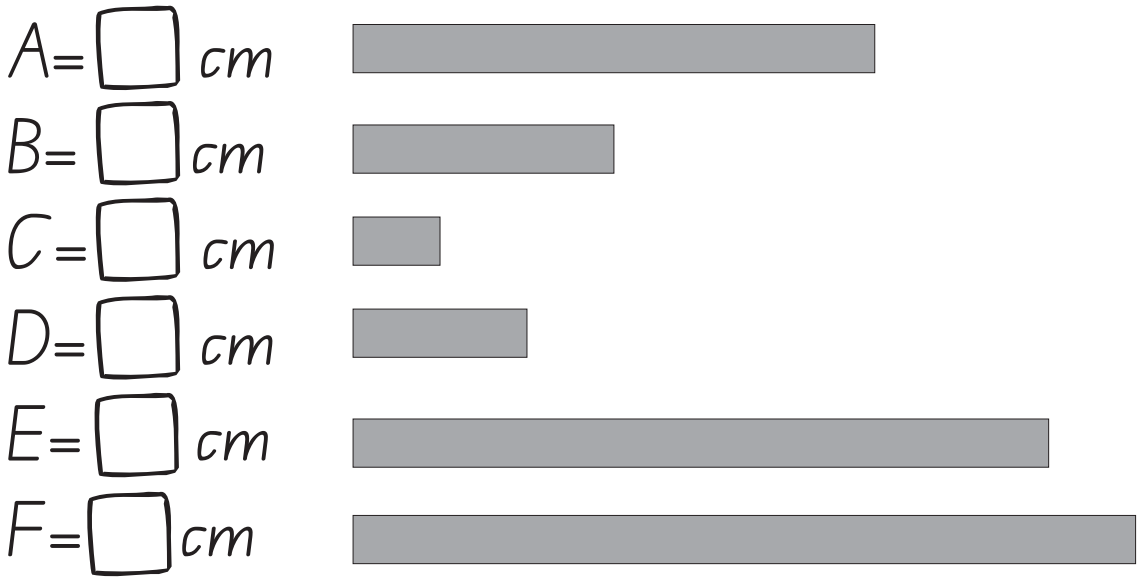
Measurement - length

How long is each rectangle?



Now write down the letters in order from shortest to longest. ☐☐☐ L ☐☐☐ E

Use a ruler to measure the lengths of these rectangles in centimetres.



Measurement - mass

Choose the correct word.

bigger
thinner
kilogram
thicker
heavier
lower
lighter
gram

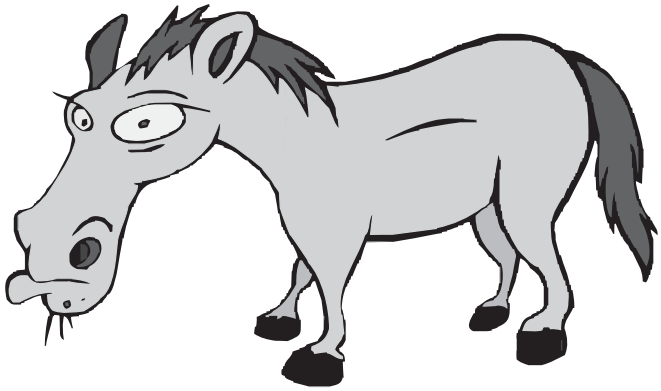
The abbreviation for ..... is g.

The abbreviation for ..... is kg.

A gram is ..... than a kilogram.

A kilogram is ..... than a gram.

Which is heavier?

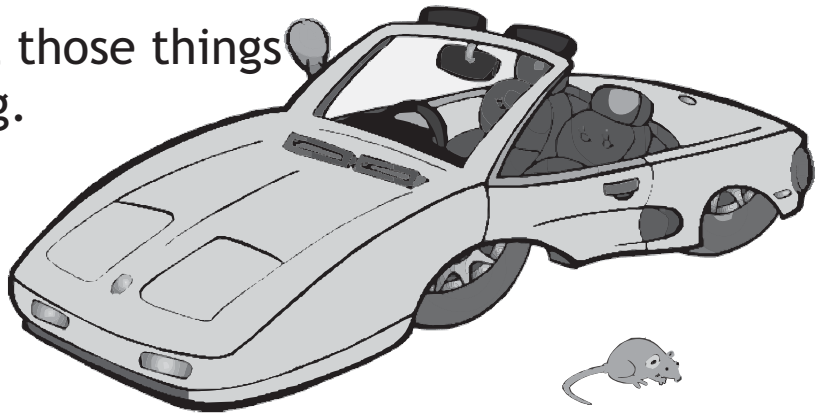


.....

Put these masses in order starting with the lightest

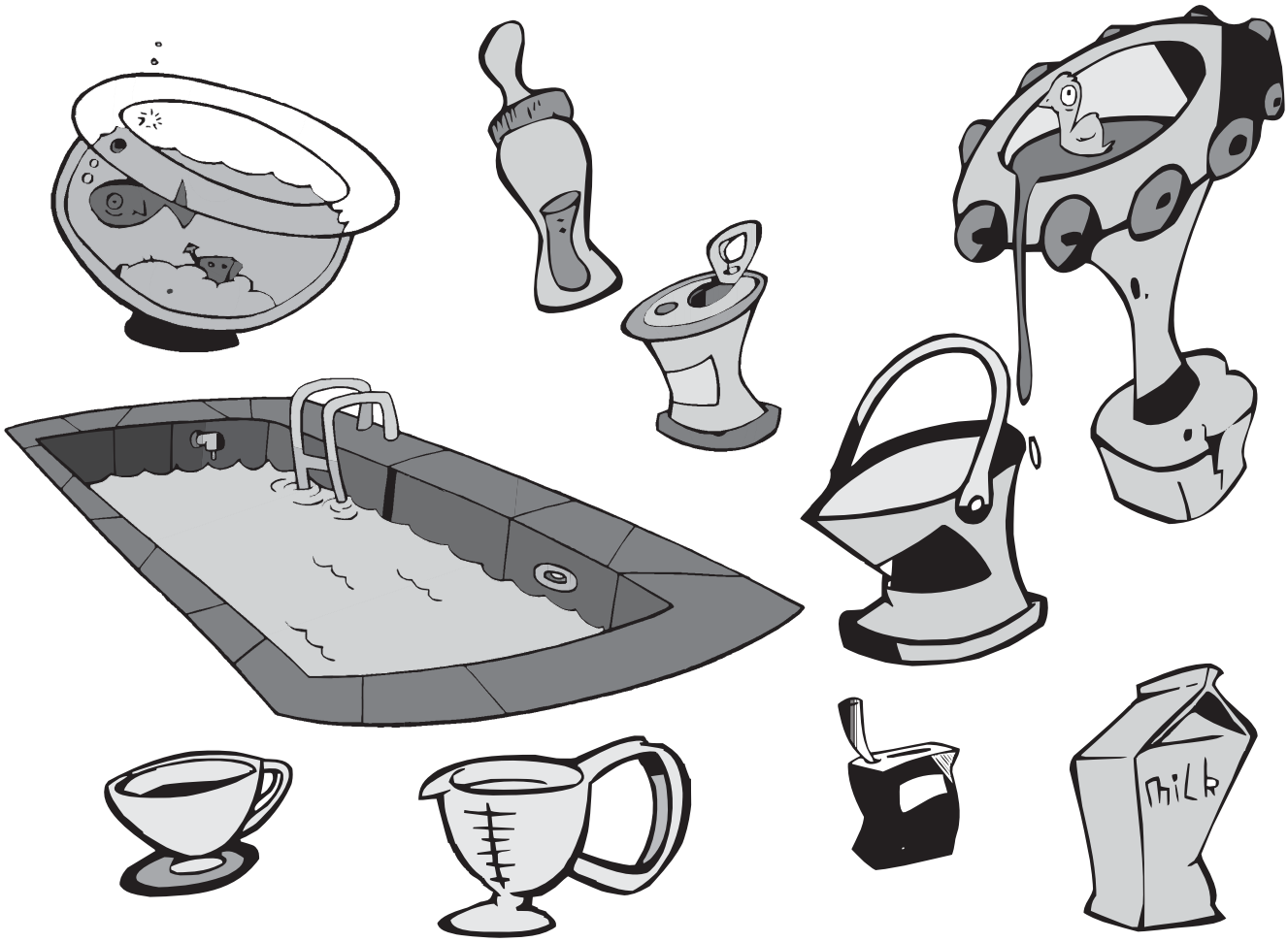
20kg, 10g, 1kg, 1g, 50g.....

Draw a circle around all those things that weigh less than 1kg.



Measurement - capacity

Put a tick next to those items that contain 1 litre or less.

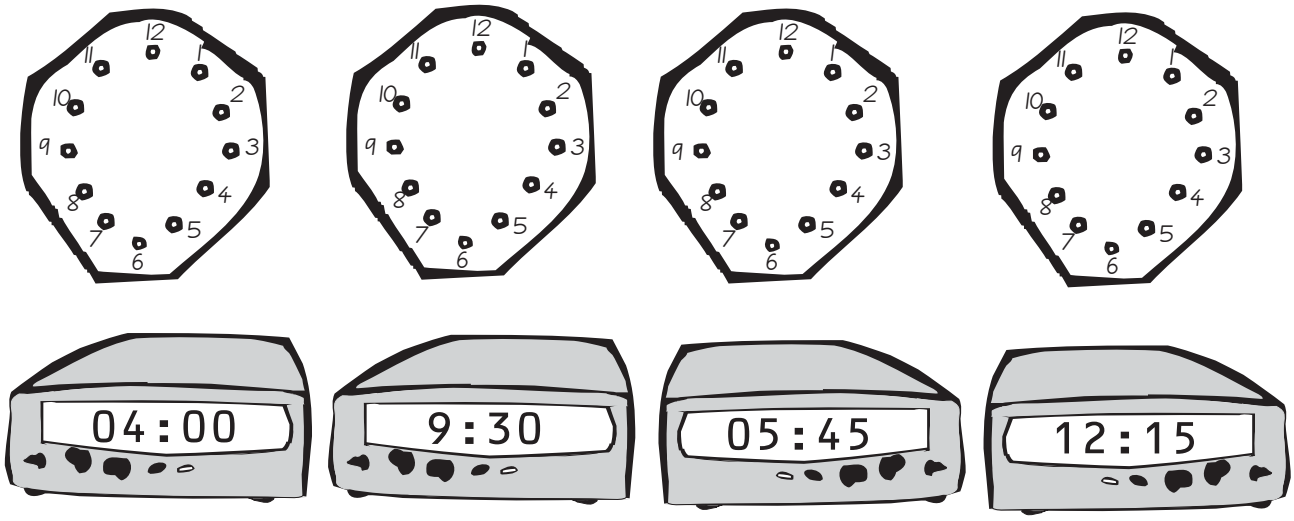


Jug 1 below has 1 litre of water in it.
Colour jug 2 so that it is holding 2 litres of water.
Colour jug 3 so that it is holding 2½ litres of water.

Measurement - time

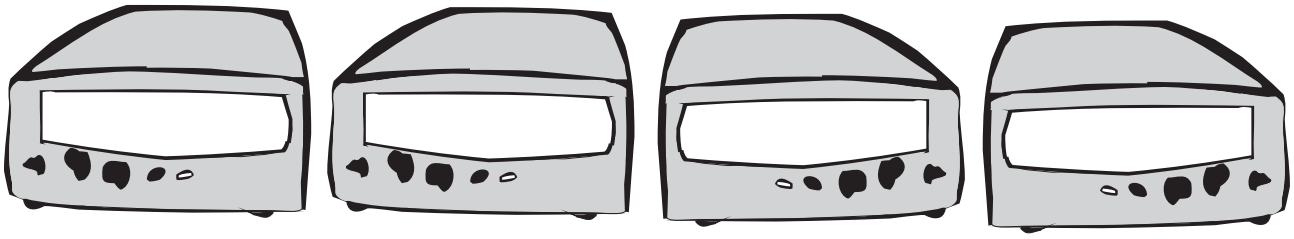
Show each time on the clock.

4 o'clock half past 9 quarter to 6 quarter past 12

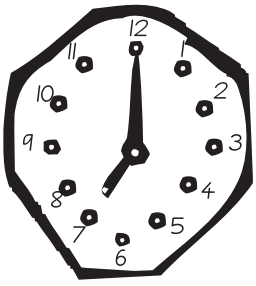


Write these times on the digital clock.

8 o'clock half past 2 quarter past 11 quarter to 3

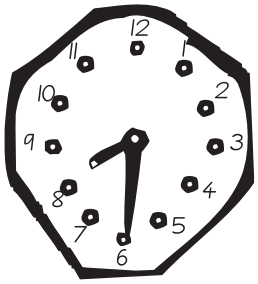


The movie started at. The movie finished at.



How long does the movie last?

.....



Put in the arrowhead.

Clockwise. Anticlockwise.

Statistics

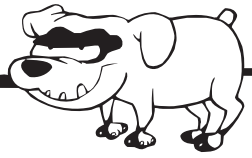
Write the data under the correct heading.

Vehicle	Furniture	Food
.....	.....	.....
.....	.....	.....
.....	.....	.....
.....	.....	.....
.....	.....	.....

boat
burger
car
chair
apple
truck
airplane
cake
bed

Read this table.

Quack



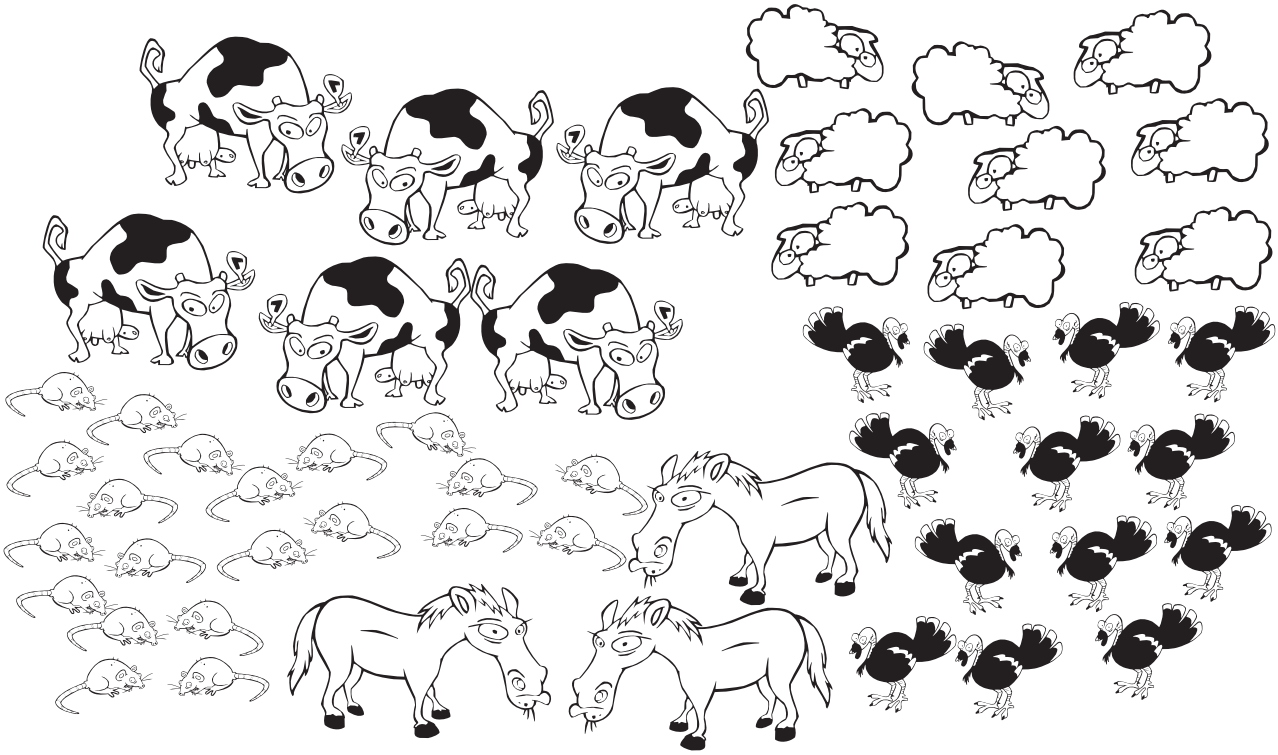
Ruff

	Quack	Ruff
Favourite Food	Worms on toast	Bone Crunch
Favourite Sport	Swimming	Throw that stick
Favourite TV Programme	Solid Gold Quacks	Dog Idol

Quack's favourite TV programme is .....

.....'s favourite food is bone crunch.

Statistics - graphs



Mahobe Farm has all the animals above.
Count the numbers of each animal.

Turkeys ##### ##### ||| 13

Cows .....

Sheep .....

Mice .....

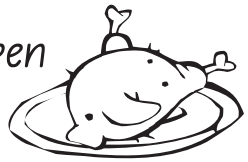
Horses .....

There are more ..... than turkeys

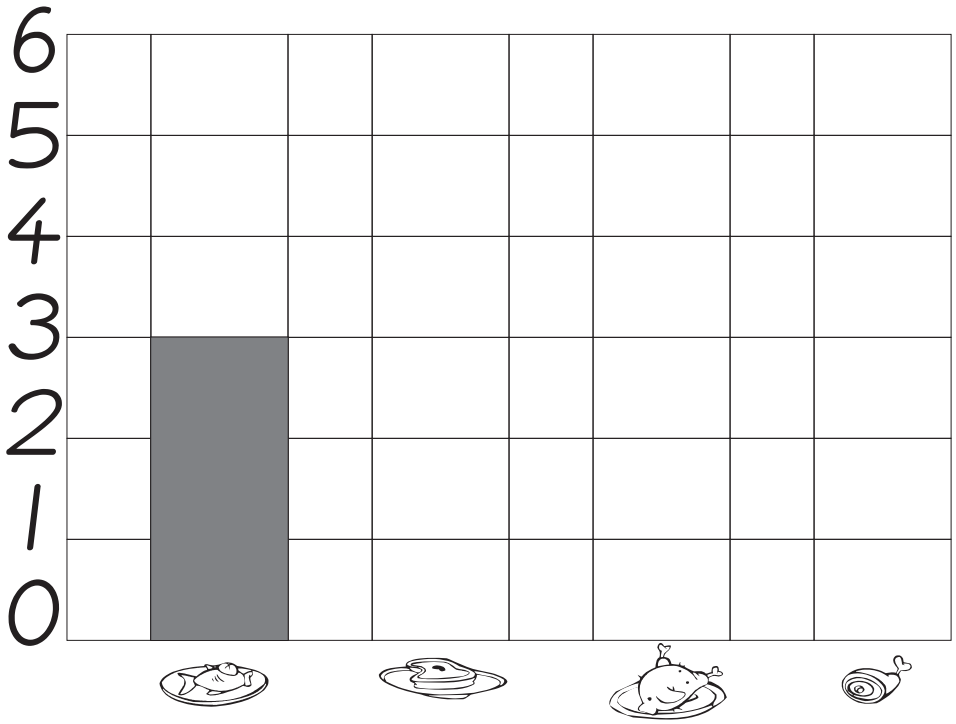
There are ..... more sheep then there are horses.

Statistics - data

A survey is taken out to determine which is the most popular meal. Complete the totals column of the results.

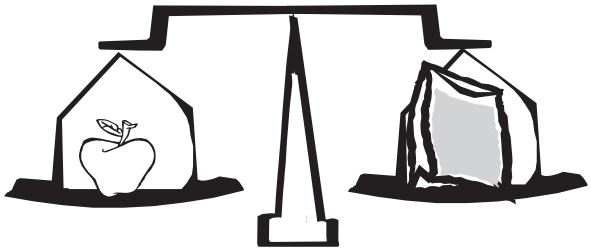
		Tallies	Totals
Fish		✔✔✔	3
Steak		✔✔✔✔	.....
Chicken		✔✔✔✔✔✔	.....
Ham		✔✔✔✔✔	.....

Use the grid below to draw a bar graph of the survey results.

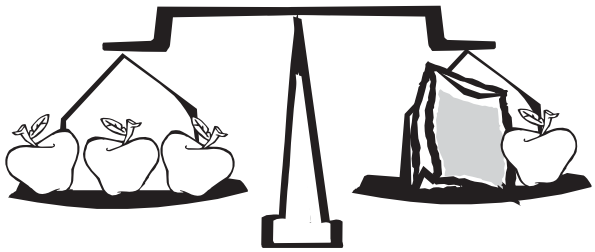


Finding the Right Number

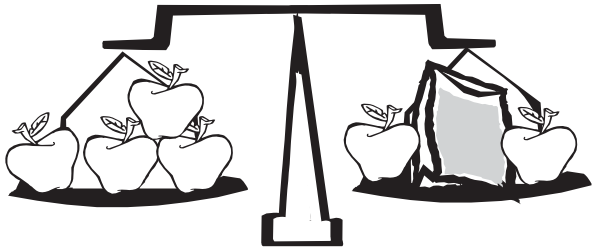
How many apples are in each bag?



.....



.....



.....

Each of the plates below had 10 apples to begin with.
How many were eaten.

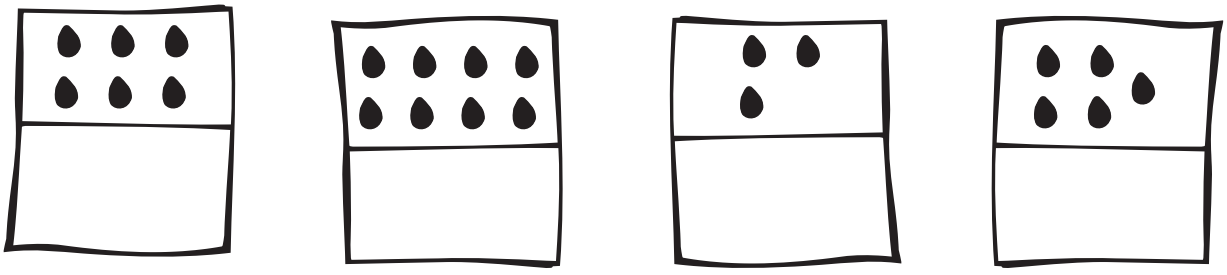
.....

.....

.....

.....

Add more dots so that each card has 10 dots.



Arithmetic

Fill in the missing numbers.

$2\times\ldots\ldots = 8$

$\ldots\ldots\times 4 = 12$

$3\times\ldots\ldots = 6$

$\ldots\ldots\times 7 = 7$

$10\div\ldots\ldots = 5$

$\ldots\ldots\div 2 = 4$

$6\div\ldots\ldots = 2$

$\ldots\ldots\div 3 = 5$

Add the $+$ $-$ $\times$ or $\div$ signs.

$8\ldots\ldots 2 = 4$

$2\ldots\ldots 5 = 10$

$9\ldots\ldots 1 = 9$

$12\ldots\ldots 2 = 6$

$5\ldots\ldots 3 = 8$

$8\ldots\ldots 2 = 6$

$9\ldots\ldots 7 = 2$

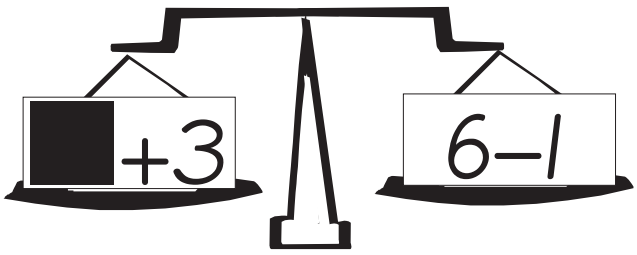
$7\ldots\ldots 6 = 13$

A farmer has 75 sheep. He buys more sheep and now has double the amount. Later in the year the farmer sells half the sheep.

How many sheep does he now have? .....

Solving Equations

Find the missing number by completing the equations

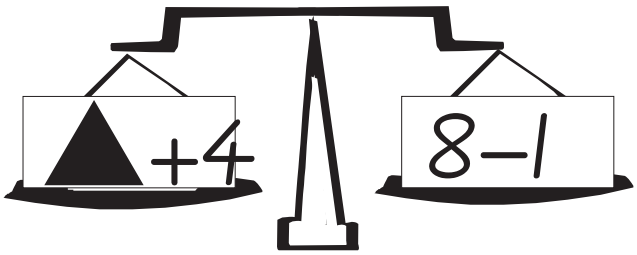


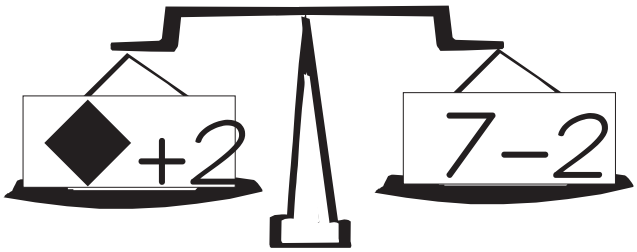
■+3=6–1

■+3=5

■ =2

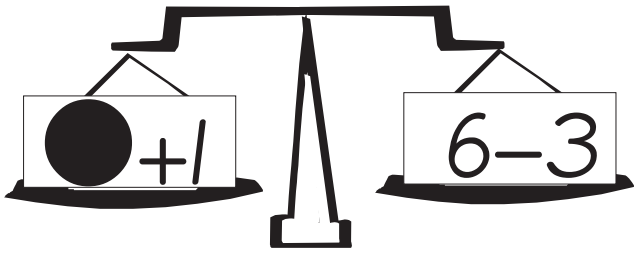
▲+4=8–1





◆+2=7–2

●+1=6–3



-THIS IS A.....MAGIC SQUARE

3	10	5
8	6	4
7	2	9

What is the total of each row?

.....

What is the total of each column?

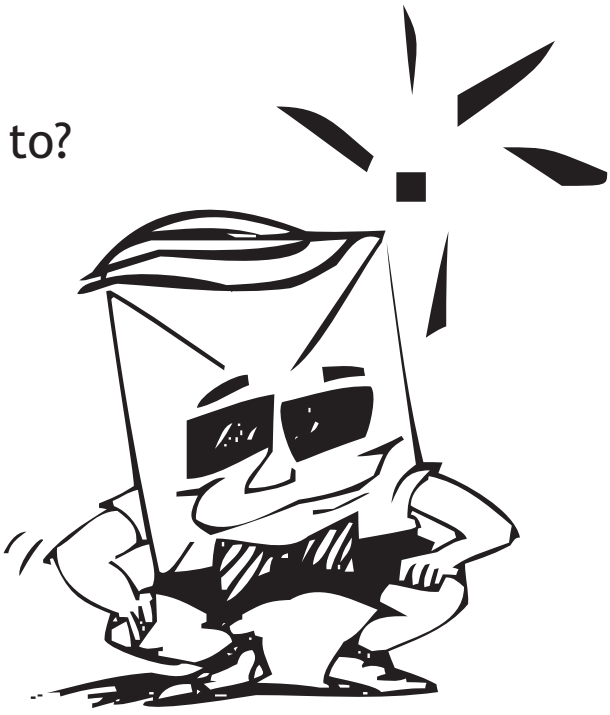
.....

What does each diagonal add up to?

.....

Why is it called a magic square?

.....



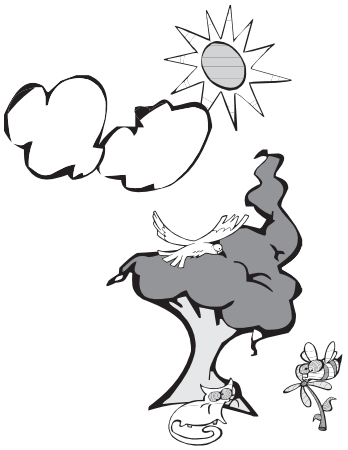
FINISH THESE MAGIC SQUARES

3	8	7
10		2

		8
2	9	4

12	5	10
8		

Position



4

Opposites

Write the correct word beside each picture.

tall

short

top

bottom

heavy

light

left right

slow fast

5

Combinations

Choose one sandwich and one kind of fruit for lunch.
There are 6 different options.

1 Tomato sandwich, grapes

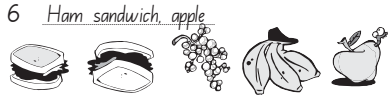
2 Tomato sandwich, banana

3 Tomato sandwich, apple

4 Ham sandwich, grapes

5 Ham sandwich, banana

6 Ham sandwich, apple

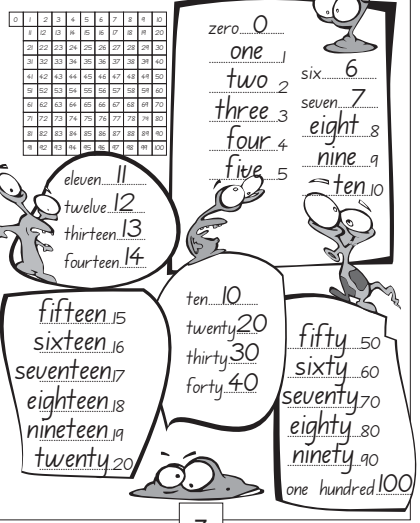


Tomato sandwich Ham sandwich Grapes Banana Apple

6

Counting

Write the correct number or number word.

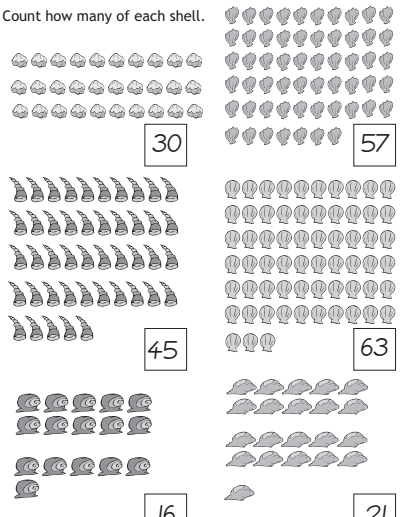


zero 0
one 1
two 2
three 3
four 4
five 5
six 6
seven 7
eight 8
nine 9
ten 10
eleven 11
twelve 12
thirteen 13
fourteen 14
fifteen 15
sixteen 16
seventeen 17
eighteen 18
nineteen 19
twenty 20
ten 10
twenty 20
thirty 30
forty 40
fifty 50
sixty 60
seventy 70
eighty 80
ninety 90
one hundred 100

7

Counting

Count how many of each shell.



30

57

45

63

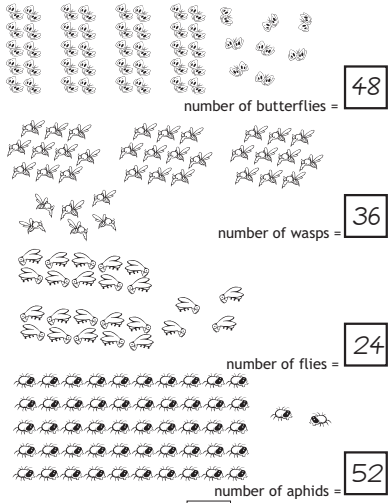
16

21

8

Counting

Count how many of each insect?



number of butterflies = 48

number of wasps = 36

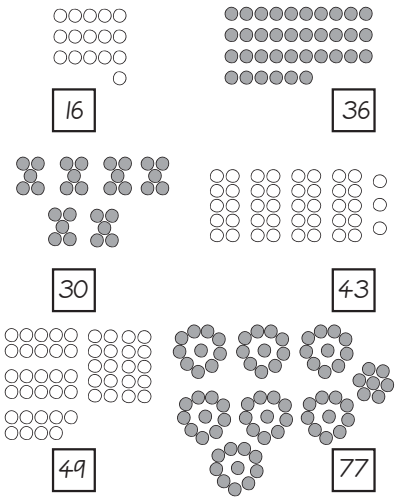
number of flies = 24

number of aphids = 52

9

Counting

Write the number of circles in each group.



16

36

30

43

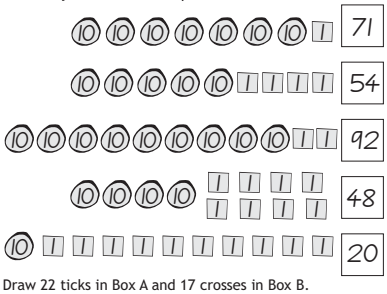
49

77

10

Counting

The circles represent 10. The squares represent 1.
How many does each set represent?



71

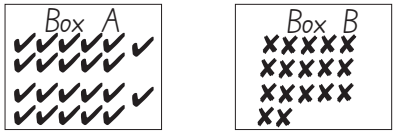
54

92

48

20

Draw 22 ticks in Box A and 17 crosses in Box B.



Box A

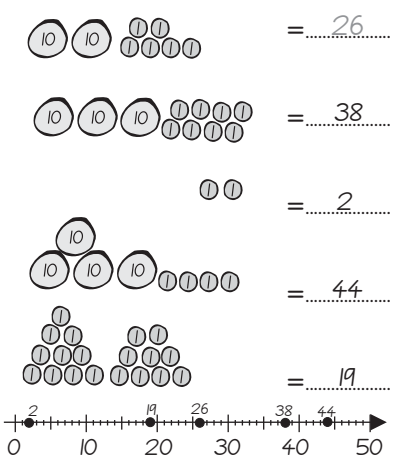
Box B

How many crosses and ticks have you drawn altogether? 39

11

Counting

Write the numbers being represented.
Show all the numbers on the number line below.



= 26

= 38

= 2

= 44

= 19

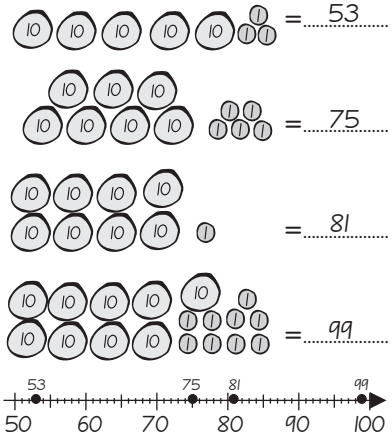
2 19 26 38 44

0 10 20 30 40 50

12

Counting

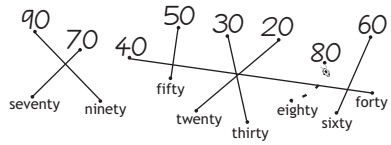
Write the numbers being represented.
Show all the numbers on the number line below.



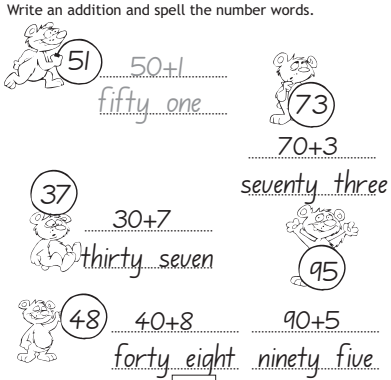
13

Numbers 0 to 100

Draw a line between the number and the word.



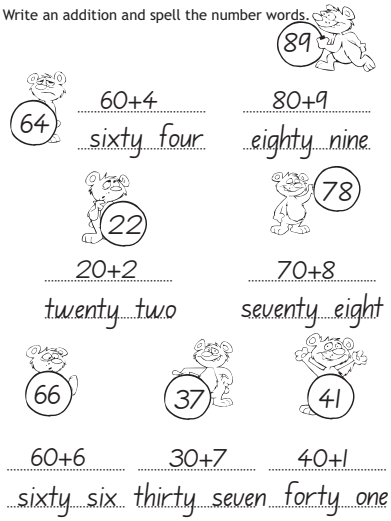
Write an addition and spell the number words.



14

Numbers 0 to 100

Write an addition and spell the number words.



15

Counting

Continue the pattern by counting on in tens.

3	13	23	33	43	53	63	73	83	93
8	18	28	38	48	58	68	78	88	98

Continue the pattern by counting back in tens.

5	15	25	35	45	55	65	75	85	95
1	11	21	31	41	51	61	71	81	

Continue the pattern by counting in fives.

5	10	15	20	25	30	35	40	45	50

Complete the rest of the numbers on each number line.

40	41	42	43	44	45	46	47	48	49
78	79	80	81	82	83	84	85	86	87

16

Counting

Complete these number sequences.

34	35	36	37	38	39	40	41	42	43
59	60	61	62	63	64	65	66	67	68

Complete these number sentences.

45 is between 44 and 46. — 44 **45** 46

72 is between 71 and 73. — 71 **72** 73

90 is between 89 and 91. — 89 **90** 91

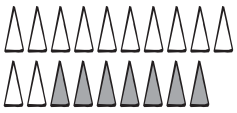
55 is between 54 and 56 — 54 55 56

97 is between 96 and 98 — 96 97 98

61 is between 60 and 62 — 60 61 62

17

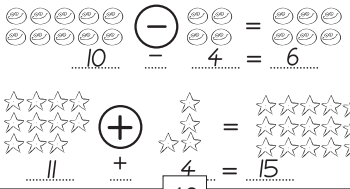
Arithmetic



12+7= 19
7+12= 19
19−12= 7
19−7= 12

4+7= 11
7+4= 11
11−7= 4
11−4= 7

Use a + or − sign
Write the sum below each of the pictures..



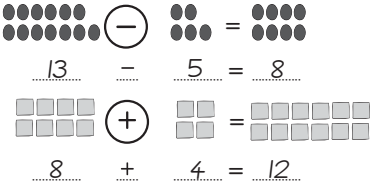
18

Arithmetic

10+8= 18
8+10= 18
18−10= 8
18−8= 10

8+3= 11
3+8= 11
11−8= 3
11−3= 8

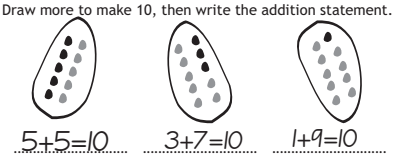
Use a + or − sign
Write the sum below each of the pictures..



19

Addition Combinations

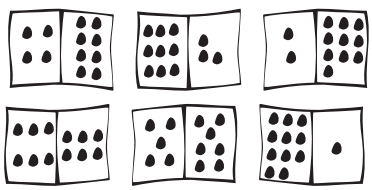
Draw more to make 10, then write the addition statement.



5+5=10 — 3+7=10 — 1+9=10

6+4=10 — 2+8=10 — 4+6=10

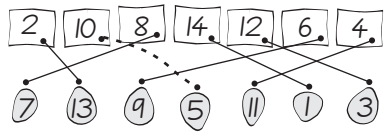
Draw more to make 12.



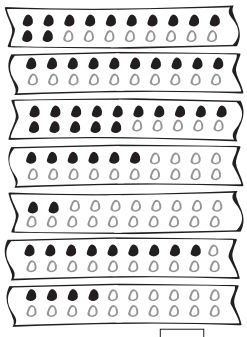
20

Addition Combinations

Draw a line between all the combinations that make 15.



Draw more to make 20.
Write the addition statement for each.



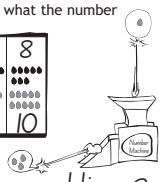
12+8=20
10+10=20
15+5=20
6+14=20
2+18=20
9+11=20
4+16=20

21

Adding and Subtracting

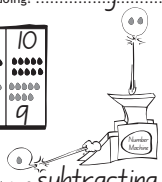
Complete the table and work out what the number machines are doing.

	2	3	5	7	8
	4	5	7	9	10

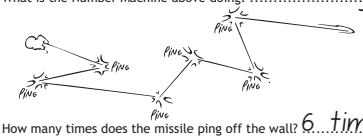


What is the Number Machine above doing? adding 2

	3	4	6	8	10
	2	3	5	7	9



What is the Number Machine above doing? subtracting 1



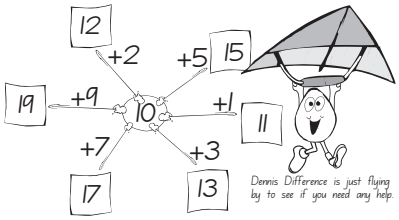
How many times does the missile ping off the wall? 6 times

22

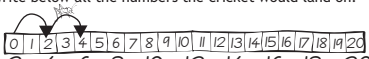
Write the Right Number

Apples are shared between 2 children.
Complete the table to show how many apples each would get.

Apples	2	3	4	5	6	7	8	9	10	11	12
per child	1	1	2	2	3	3	4	4	5	5	6
left over	0	1	0	1	0	1	0	1	0	1	0



The cricket starts at 0 and jumps two spaces.
Write below all the numbers the cricket would land on.

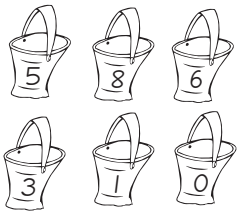


2, 4, 6, 8, 10, 12, 14, 16, 18, 20

23

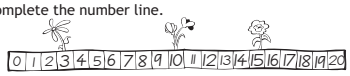
Write the Right Number

Below are 6 buckets. Each bucket holds 10 litres of water.
The number on the side of the bucket represents the amount of water left in the bucket. How much water has been used from each bucket?

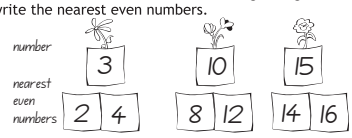


5+ 5 =10
8+ 2 =10
6+ 4 =10
3+ 7 =10
1+ 9 =10
0+ 10 =10

Complete the number line.



Write the number that the flowers are growing on then write the nearest even numbers.

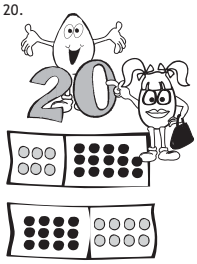


24

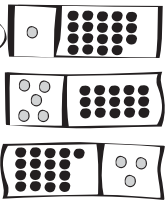
Addition Combinations to Twenty

Complete all the sums to equal 20.

9+ 11 =20
7+ 13 =20
4+ 16 =20
5+ 15 =20
2+ 18 =20
0+ 20 =20



1+ 19
3+ 17
8+ 12
6+ 14
5+ 15



Draw more dots so that each card has a total of 20 dots.

25

Addition with Three Numbers

Write an addition statement for each of the following.

3 + 4 + 2 = 9

5 + 3 + 6 = 14

4 + 5 + 3 = 12

1 + 2 + 6 = 9

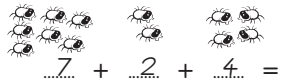
6 + 2 + 7 = 15

26

Addition with Three Numbers

Write an addition statement for each of the following.

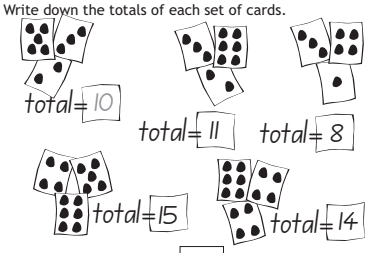
6 + 5 + 7 = 18



7 + 2 + 4 = 13

3 + 3 + 1 = 7

Write down the totals of each set of cards.



27

Subtracting Two Numbers

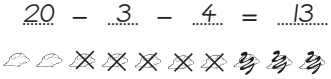
Write a subtraction statement for each of the following.

11 – 3 – 2 = 6

8 – 2 – 3 = 3

16 – 5 – 3 = 8

20 – 3 – 4 = 13



10 – 5 – 3 = 2

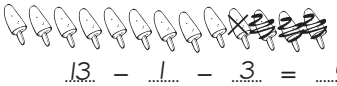
28

Subtracting Two Numbers

Write a subtraction statement for each of the following.

11 – 2 – 2 = 7

9 – 3 – 1 = 5



13 – 1 – 3 = 9

14 – 1 – 1 = 12

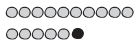
7 – 3 – 2 = 2

12 – 6 – 3 = 3

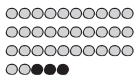
29

Addition

Draw more circles, then count and fill in the blank spaces.

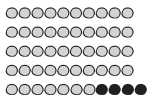


Draw 1 more circle.
16 is 1 more than 15
15 + 1 = 16

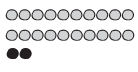


Draw 3 more circles.
35 is 3 more than 32
32 + 3 = 35

Draw 5 more circles.
32 is 5 more than 27
27 + 5 = 32



Draw 4 more circles.
51 is 4 more than 47
47 + 4 = 51

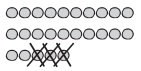


Draw 2 more circles.
22 is 2 more than 20
20 + 2 = 22

30

Subtraction

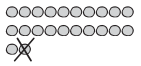
Cross out the correct number of circles then count and fill in the blank spaces.



Cross out 3 circles.

22 is 3 less than 25

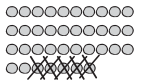
25 - 3 = 22



Cross out 1 circle.

21 is 1 less than 22

22 - 1 = 21



Cross out 5 circles.

32 is 5 less than 37

37 - 5 = 32

Cross out 4 circles.

39 is 4 less than 43

43 - 4 = 39

Cross out 2 circles.

28 is 2 less than 30

30 - 2 = 28

31

Numbers 0 to 100

Draw a line between the numbers that sum to equal 9 then complete the sums below.

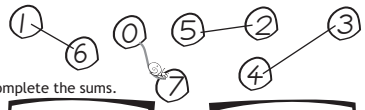
Alicia Addison has photographed more sums just for your enjoyment! They are all found on the next few pages.

15+4=19	26+3=29	
25+4=29	46+3=49	
35+4=39	66+3=69	
45+4=49	76+3=79	
65+4=69	96+3=99	
31+8=39	10+9=19	27+2=29
51+8=59	30+9=39	37+2=39
71+8=79	40+9=49	47+2=49
81+8=89	50+9=59	67+2=69
91+8=99	60+9=69	87+2=89

32

Numbers 0 to 100

Draw a line between the numbers that sum to equal 7.



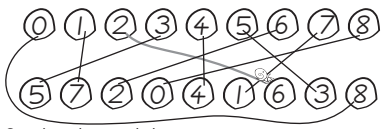
Complete the sums.

13+4=17	22+5=27
23+4=27	32+5=37
43+4=47	52+5=57
53+4=57	72+5=77
73+4=77	82+5=87
10+7=17	16+1=17
20+7=27	46+1=47
60+7=67	56+1=57
70+7=77	76+1=77
90+7=97	86+1=87

33

Numbers 0 to 100

Draw a line between the numbers that sum to equal 8.



Complete the sums below.

16+2=18	24+4=28
36+2=38	44+4=48
46+2=48	54+4=58
66+2=68	74+4=78
96+2=98	84+4=88
18−3=15	8−5=3
28−3=25	28−5=23
38−3=35	68−5=63
58−3=55	78−5=73

34

Numbers 0 to 100

Complete the sums below.

+8

6+8=14	5+8=13	8+8=16
16+8=24	15+8=23	18+8=26
26+8=34	25+8=33	28+8=36
36+8=44	35+8=43	38+8=46
46+8=54	45+8=53	48+8=56
76+8=84	65+8=73	68+8=76
86+8=94	85+8=93	78+8=86
2+8=10	4+8=12	7+8=15
12+8=20	14+8=22	17+8=25
22+8=30	34+8=42	47+8=55
32+8=40	44+8=52	57+8=65
42+8=50	54+8=62	67+8=75
92+8=100	84+8=92	77+8=85

35

Numbers 0 to 100

Complete the sums below.

10−3=7	10−6=4	10−2=8
20−3=17	20−6=14	20−2=18
30−3=27	30−6=24	40−2=38
40−3=37	50−6=44	60−2=58
50−3=47	70−6=64	70−2=68
60−3=57	90−6=84	80−2=78

Fill in the missing numbers.

48 −2 50 +2 52 | 65 −5 70 +5 75

74 −6 80 +6 86 | 21 −9 30 +9 39

16 −4 20 +4 24 | 87 −3 90 +3 93

52 −8 60 +8 68 | 33 −7 40 +7 47

36

Numbers 0 to 100

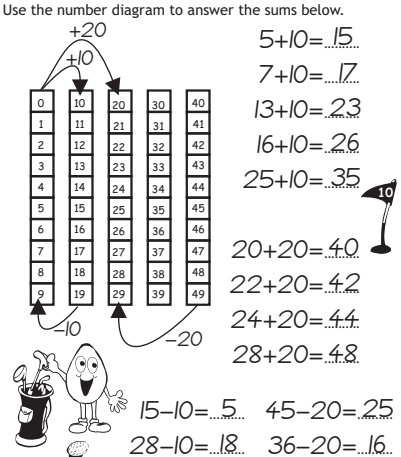
Complete the addition and subtraction sums below.

Add 5	Add 3	Add 8
7+5=12	8+3=11	4+8=12
17+5=22	18+3=21	14+8=22
27+5=32	28+3=31	24+8=32
37+5=42	38+3=41	34+8=42
47+5=52	48+3=51	44+8=52
Subtract 2	**Subtract 6**	**Subtract 4**
5−2=3	9−6=3	6−4=2
15−2=13	19−6=13	16−4=12
25−2=23	29−6=23	26−4=22
35−2=33	39−6=33	36−4=32
45−2=43	49−6=43	46−4=42
55−2=53	59−6=53	56−4=52

37

Numbers 0 to 100

Use the number diagram to answer the sums below.



5+10=15	
7+10=17	
13+10=23	
16+10=26	
25+10=35	
20+20=40	
22+20=42	
24+20=44	
28+20=48	
15−10=5	45−20=25
28−10=18	36−20=16
33−10=23	31−20=11
47−10=37	24−20=4

While you work out all the answers on this page, Dennis Difference is going to have a quick game of golf.

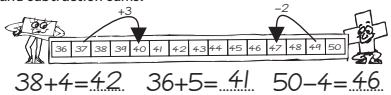
38

Numbers 0 to 100

Use the number line to answer the addition and subtraction sums.

52+3=55	57−6=51
53+7=60	60−3=57
55+4=59	59−8=51
58+5=63	56−2=54
61+4=65	64−6=58

Complete the number line then answer the addition and subtraction sums.

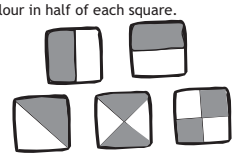


38+4=42	36+5=41	50−4=46
40+5=45	39+4=43	49−2=47
42+6=48	45−5=40	43−4=39
48+2=50	47−3=44	41−5=36

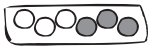
39

Fractions

Colour in half of each square.



Colour half the circles in each group.



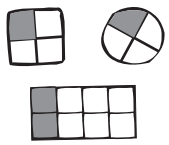
Fill in the missing numbers.

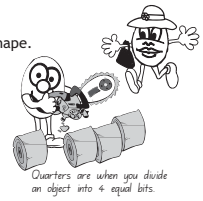
1 is half of 2
4 is half of 8
5 is half of 10
6 is half of 12
8 is half of 16
3 is half of 6
7 is half of 14
2 is half of 4

40

Fractions

Colour in a quarter of each shape.





How much of each shape is shaded?

One half | One quarter | Three quarters

three quarters | three quarters | one quarter

one half | one half | three quarters

41

Fractions

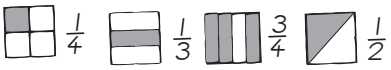
Choose the correct word (part, half or a pattern).

A fraction is part of something.

Write the number that is half of these numbers.

20 [10] 60 [30] 50 [25] 30 [15]
10 [5] 40 [20] 70 [35] 90 [45]

Write the fraction that is shaded.



1/4 1/3 3/4 1/2

Colour one half of the circles.

1/2 of 20= 10

Colour one third of the squares.

1/3 of 9= 3

Colour one quarter of the triangles.

1/4 of 12= 3

42

Fractions

Colour three quarters of the circles.

1/4 of 12= 3

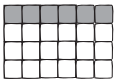
3/4 of 8= 6

1/4 of 16= 4

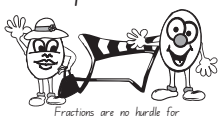
3/4 of 12= 9

1/4 of 20= 5

3/4 of 16= 12



1/4 of 24= 6



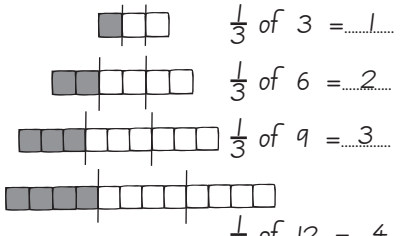
43

Fractions

Write the number that is one quarter of.

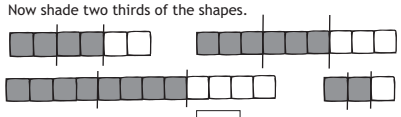
8 [2] 20 [5] 16 [4]
12 [3] 4 [1] 24 [6]

Shade one third of these shapes.



1/3 of 3 = 1
1/3 of 6 = 2
1/3 of 9 = 3
1/3 of 12 = 4

Now shade two thirds of the shapes.



44

Fractions

How many whole ones in:

4 halves = 2

16 quarters = 4

15 thirds = 5

How many in each team if you divided this group of 8 into two teams?

4

How many in each team if you divided this group of 9 into three teams?

3

How many in each team if you divided this group of 12 into three teams?

4

45

Measurement - length

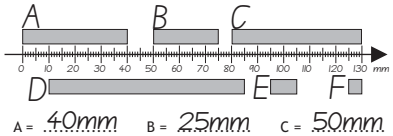
Chris is 2m tall. His son Richie is half as tall.

How tall is Richie? 1 metre

Richie has a pet snake, Max, which is twice as long as Chris is tall.

How long is Max? 4 metres

How long is each rectangle?



A = 40mm B = 25mm C = 50mm
D = 75mm E = 10mm F = 5mm

The abbreviation for millimetres is mm

The abbreviation for centimetres is cm

1 cm = [10] mm 1m = [100] cm

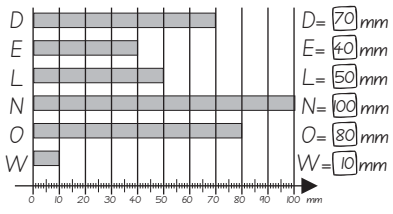
Put these lengths in order starting with the shortest.

1m, 10cm 1mm, 50mm 1mm, 50mm, 10cm, 1m

46

Measurement - length

How long is each rectangle?

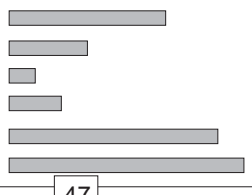


D= [70] mm
E= [40] mm
L= [50] mm
N= [100] mm
O= [80] mm
W= [10] mm

Now write down the letters in order from shortest to longest. [W] [E] [L] L [D] [O] [N] E

Use a ruler to measure the lengths of these rectangles in centimetres.

A= [6] cm
B= [3] cm
C= [1] cm
D= [2] cm
E= [8] cm
F= [9] cm



47

Measurement - mass

Choose the correct word.

The abbreviation for gram is g.

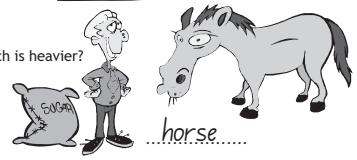
The abbreviation for kilogram is kg.

A gram is [lighter] than a kilogram.

A kilogram is [heavier] than a gram.

bigger
thinner
kilogram
thicker
heavier
lower
lighter
gram

Which is heavier?

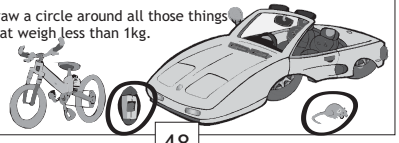


horse

Put these masses in order starting with the lightest

20kg, 10g, 1kg, 1g, 50g. 1g, 10g, 50g, 1kg, 20kg

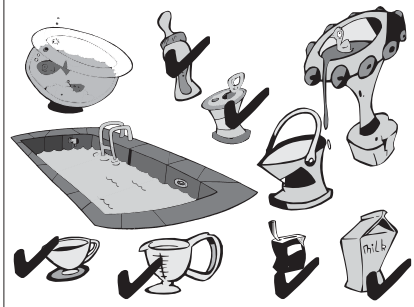
Draw a circle around all those things that weigh less than 1kg.



48

Measurement - capacity

Put a tick next to those items that contain 1 litre or less.



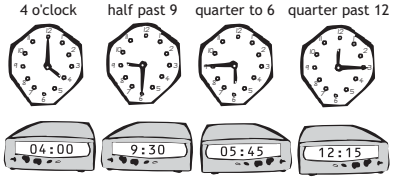
Jug 1 below has 1 litre of water in it.
Colour jug 2 so that it is holding 2 litres of water.
Colour jug 3 so that it is holding 2½ litres of water.

49

Measurement - time

Show each time on the clock.

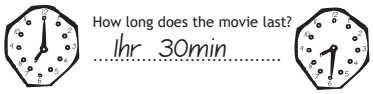
4 o'clock half past 9 quarter to 6 quarter past 12



Write these times on the digital clock.

8 o'clock half past 2 quarter past 11 quarter to 3

The movie started at. The movie finished at.



How long does the movie last? 1hr 30min

Put in the arrowhead.

Clockwise. Anticlockwise.

50

Statistics

Write the data under the correct heading.

Vehicle	Furniture	Food
Boat	Chair	Burger
Car	Bed	Apple
Truck		Cake
Airplane		

boat, burger, car, chair, apple, truck, airplane, cake, bed

Read this table.

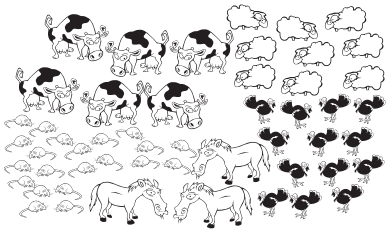
Favourite Food	Worms on toast	Bone Crunch
Favourite Sport	Swimming	Throw that stick
Favourite TV Programme	Solid Gold Quacks	Dog Idol

Quack's favourite TV programme is Solid Gold Quacks

Ruff 's favourite food is bone crunch.

51

Statistics - graphs



Mahobe Farm has all the animals above.
Count the numbers of each animal.

Turkeys 𝍸 𝍸 III 13

Cows 𝍸 I 6

Sheep 𝍸 IIII 9

Mice 𝍸 𝍸 𝍸 𝍸 I 21

Horses III 3

There are more mice than turkeys.

There are 6 more sheep then there are horses.

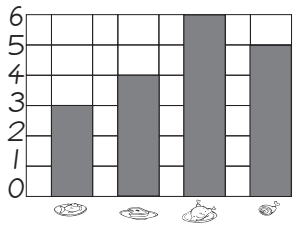
52

Statistics - data

A survey is taken out to determine which is the most popular meal. Complete the totals column of the results.

	Tallies	Totals
Fish	✓✓✓	3
Steak	✓✓✓✓	4
Chicken	✓✓✓✓✓✓	6
Ham	✓✓✓✓✓	5

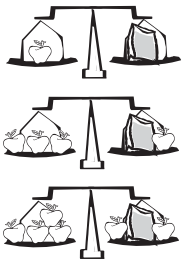
Use the grid below to draw a bar graph of the survey results.



53

Finding the Right Number

How many apples are in each bag?

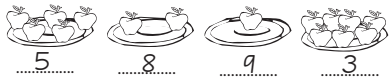


1

2

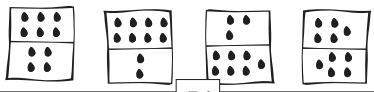
2

Each of the plates below had 10 apples to begin with.
How many were eaten.



5 8 9 3

Add more dots so that each card has 10 dots.



54

Arithmetic

Fill in the missing numbers.

2 × 4 = 8
3 × 4 = 12
3 × 2 = 6
1 × 7 = 7

10 ÷ 2 = 5
8 ÷ 2 = 4
6 ÷ 3 = 2
15 ÷ 3 = 5

Add the + − × or ÷ signs.

8 ÷ 2 = 4
2 × 5 = 10
9 × 1 = 9
12 ÷ 2 = 6

5 + 3 = 8
8 − 2 = 6
9 − 7 = 2
7 + 6 = 13

A farmer has 75 sheep. He buys more sheep and now has double the amount. Later in the year the farmer sells half the sheep.

How many sheep does he now have? 75

55

Solving Equations.

Find the missing number by completing the equations

■+3=6−1
■+3=5
■ =2

▲+4=8−1
▲+4=7
▲=3

◆+2=7−2
◆+2=5
◆=3

●+1=6−3
●+1=3
●=2

56

THIS IS A . . . . . MAGIC SQUARE

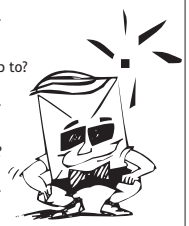
What is the total of each row? 18

What is the total of each column? 18

What does each diagonal add up to? 18

Why is it called a magic square? All totals are the same

3	10	5
8	6	4
7	2	9



FINISH THESE MAGIC SQUARES

3	8	7
10	6	2
5	4	9

6	1	8
7	5	3
2	9	4

12	5	10
7	9	11
8	13	6

57

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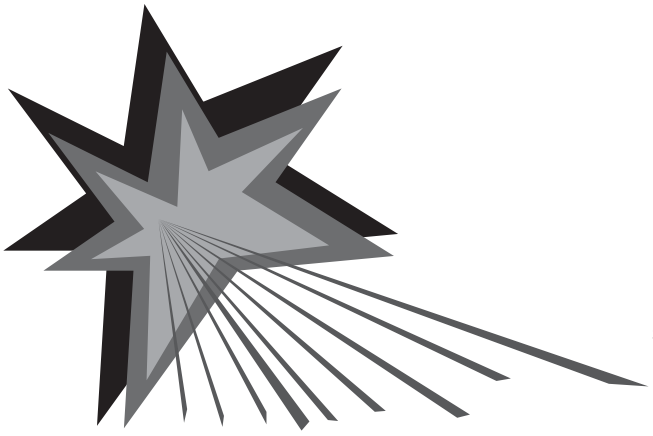

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