

Mighty Math

for 6-8 year olds

Advancing Mathematician

BOOK 1



Ready to Learn

Mathematics

Kim Freeman

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BOOK 1



Ready to Learn

MATHEMATICS

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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 book covers shapes and patterns, graphs, ordinals and counting, adding and subtracting, multiplication tables and division. It reinforces the type of mathematics that children will be studying at school.

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.

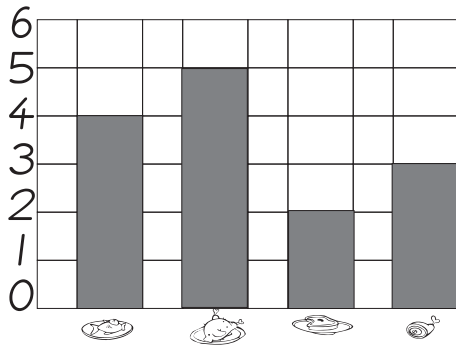
What Is In This Book?

In this book you look at:

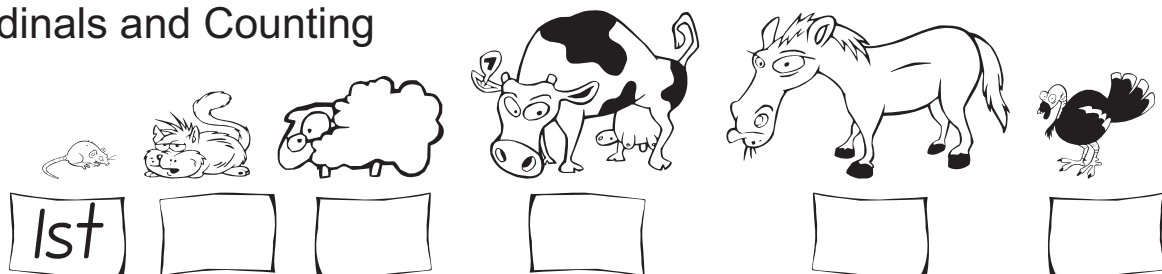
Shapes and Patterns



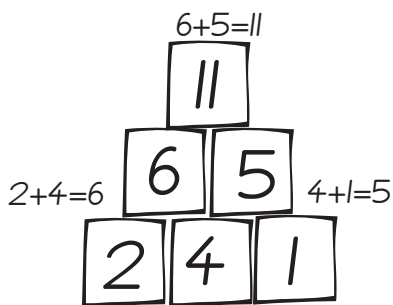
Graphs



Ordinals and Counting



Addition, Subtraction, Multiplication and Division

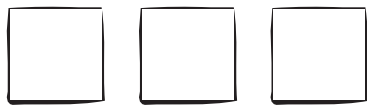


$3 \times 4 = \dots\dots\dots$

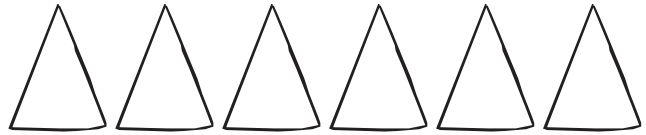


$4 \div 2 = \dots\dots\dots$

Shapes and Patterns



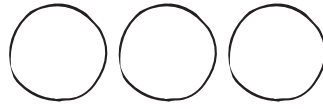
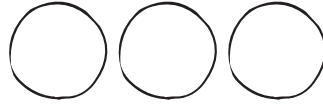
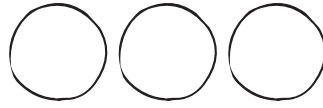
squares



triangles



hexagons



circles



rectangles



pentagons



octagons

There are triangles. A triangle has sides.

There are squares. A square has sides.

All sides of the square are the same

There are rectangles. A rectangle has sides.

There are pentagons. A pentagon has sides.

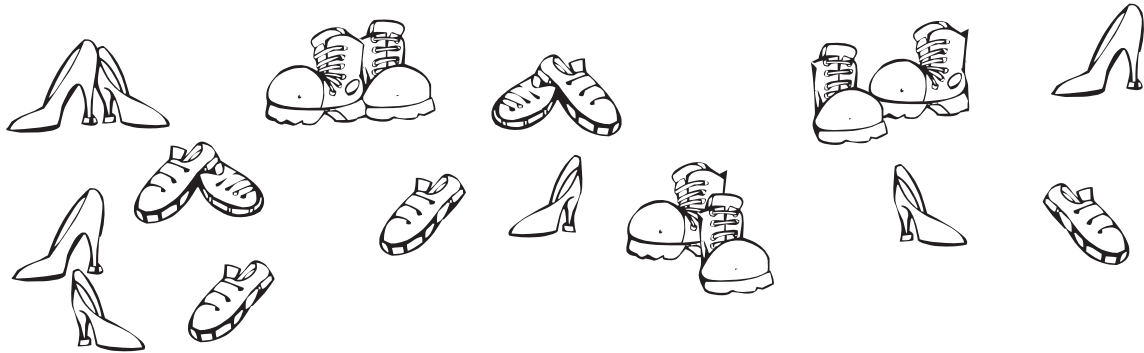
There are hexagons. A hexagon has sides.

There are octagons. An octagon has sides.

There are circles. A circle is round.

Finding a Match

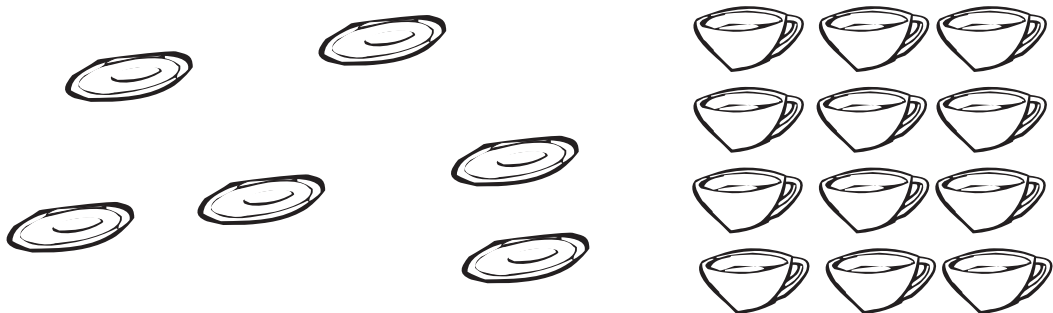
Colour the same shoes the same colour.



Put a cross through the car that does not match.



Colour as many cups as there are saucers.

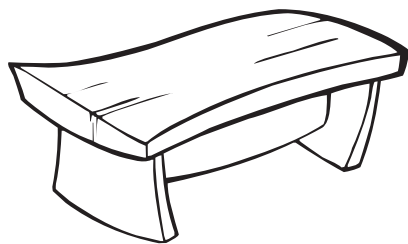
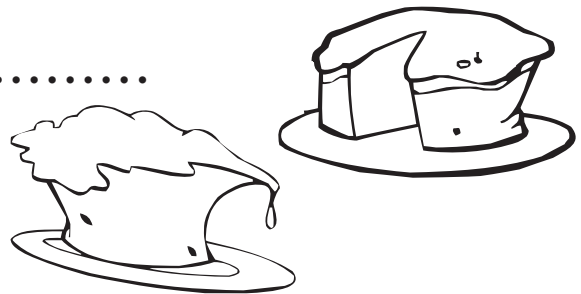


Join the pictures to the corresponding number on the number line.



Recognising Shapes

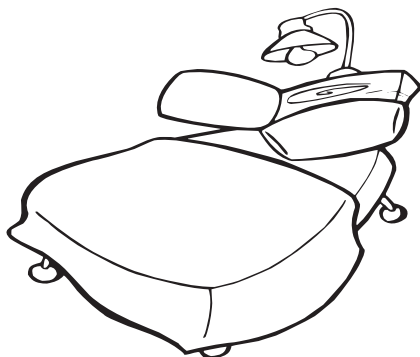
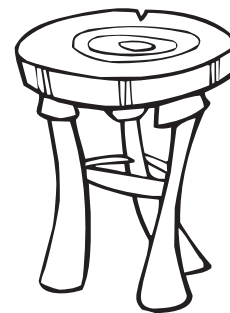
A wedge is sliced out of a cake. The top of the wedge is shaped like a



The top of this bench is shaped like a

The top of this stool is shaped like

a



The top of your bed is shaped like

a

The sides of this picture frame are all the same length. Therefore the shape of the picture frame is a

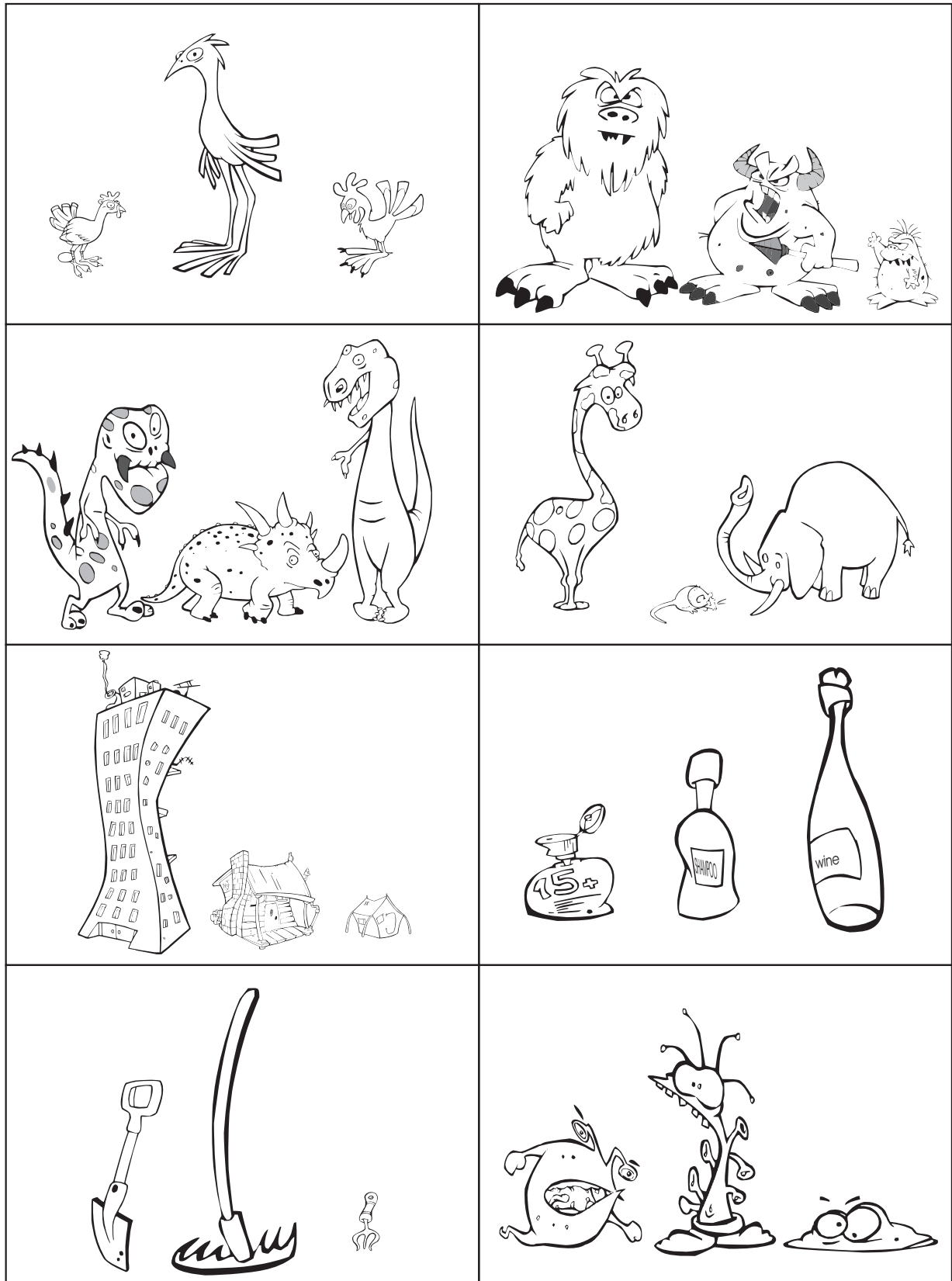


The front of this torch is shaped like

a

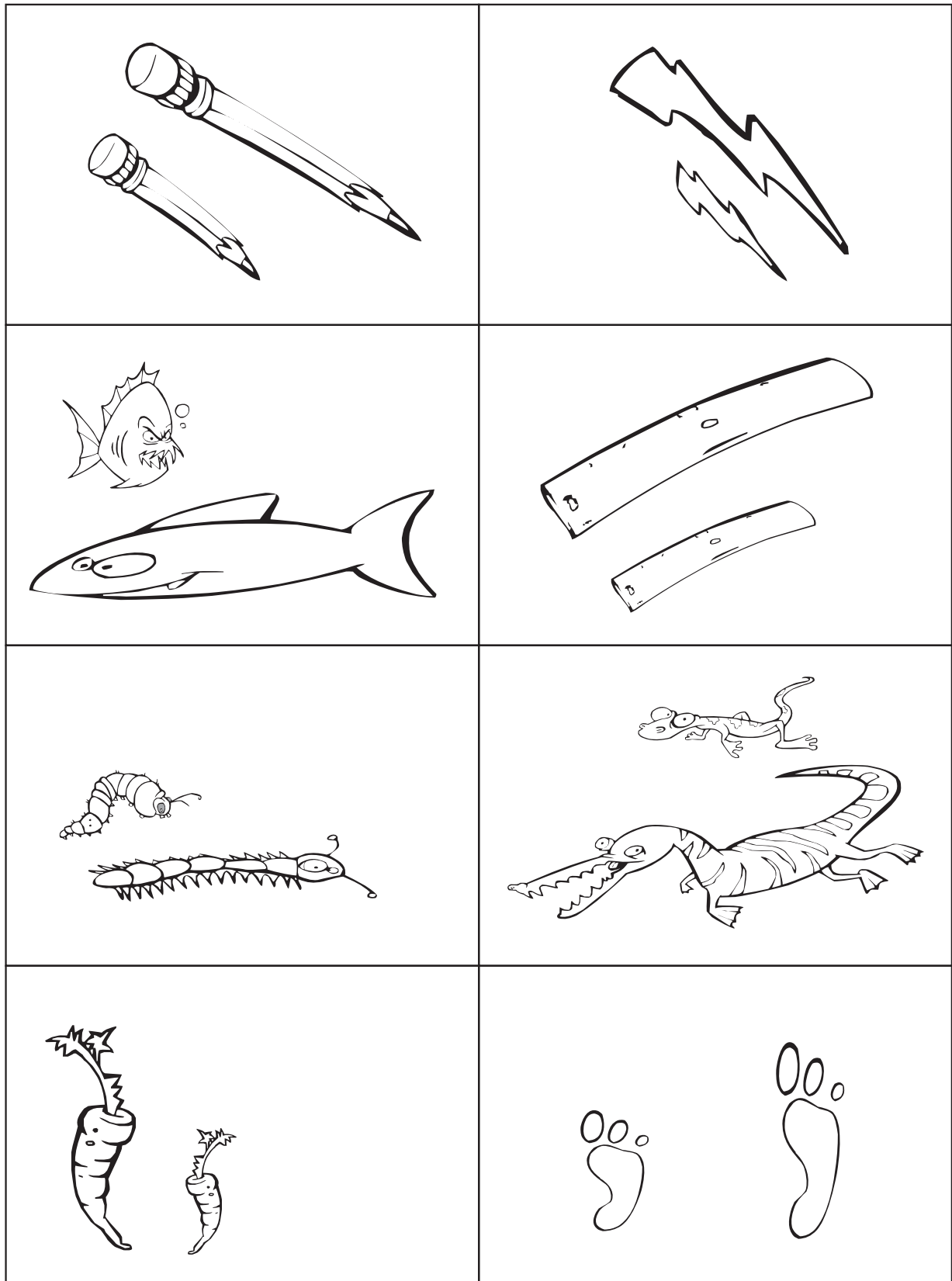
Estimating Height

Circle the tallest object in each group.



Length

Circle the smallest object in each group.



Graphs

Stock at an electrical store.

Each picture represents an item held in the store.

Irons



Kettles



Mixers



Phones



Alarm Clocks



Radios



How many irons?

There are kettles and mixers.

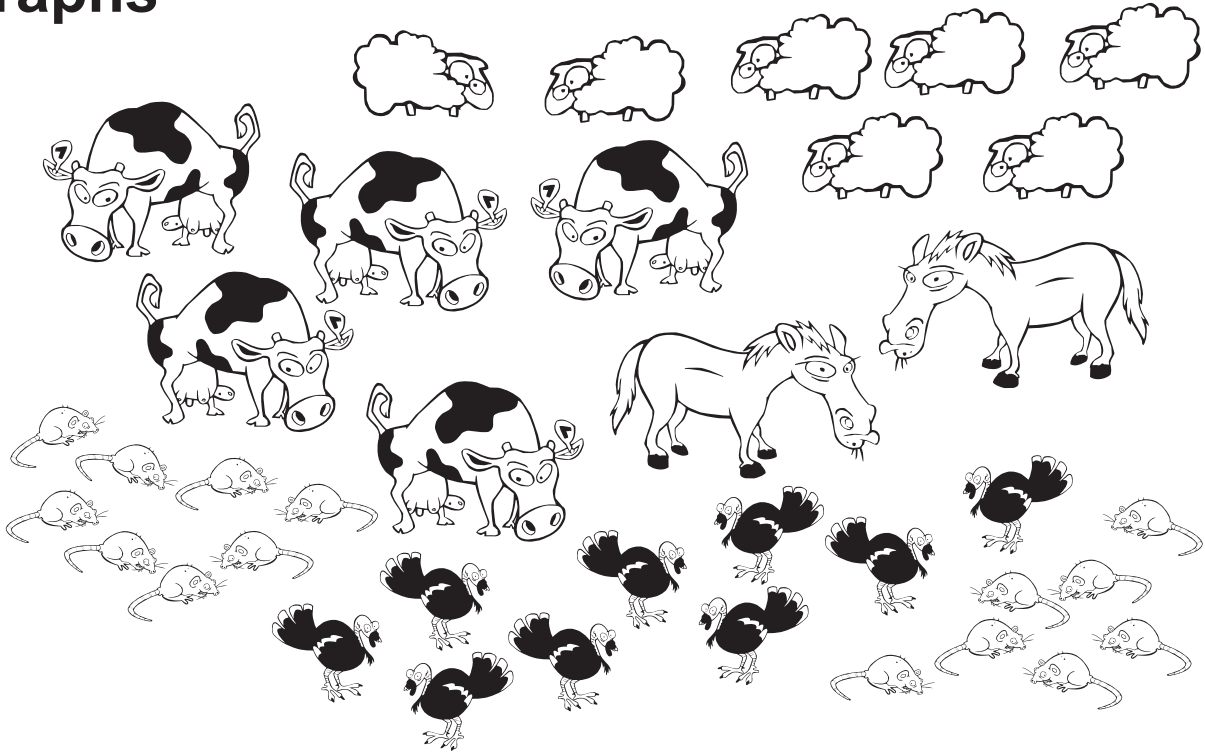
The item with the greatest number is

There are more alarm clocks than radios.

There are less mixers than kettles.

The shop buys 5 more radios. How many radios does it have in store now?

Graphs



Mahobe Farm has all the animals above.

Draw a circle in the list below to represent each animal.

Turkeys ○○○○○○○○○○

Cows

Sheep

Mice





Horses

Altogether there are horses, cows and sheep.

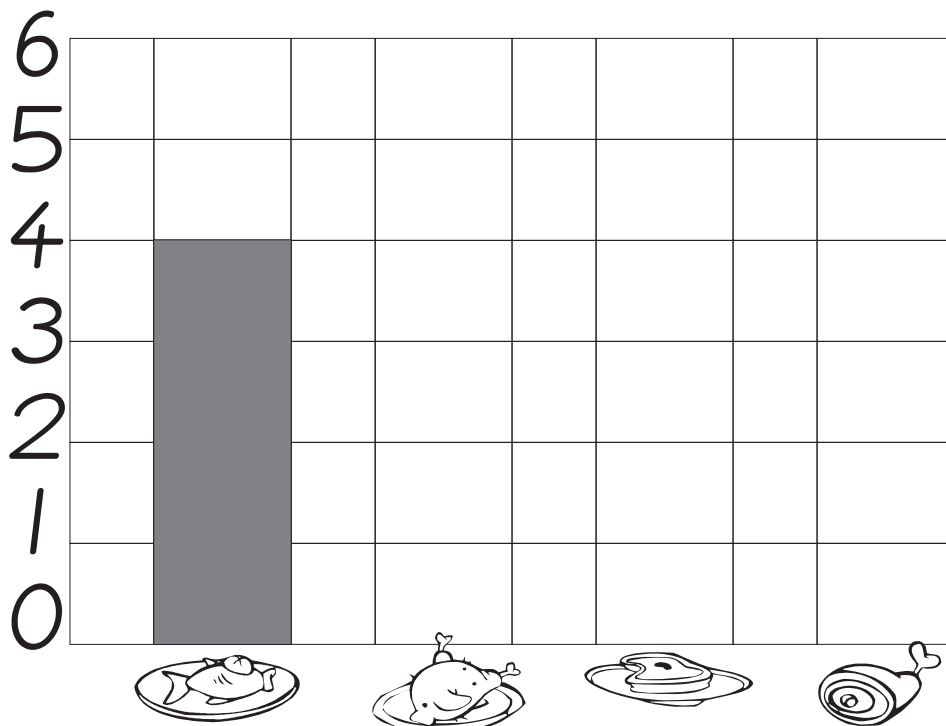
There are a total of animals on Mahobe Farm.

Graphs

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

Fish		Tallies	Totals
		✓✓✓✓	4
Chicken		✓✓✓✓✓✓
Steak		✓✓✓✓✓
Ham		✓✓✓

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



Combinations

Below are different choices for a meal.
You must chose 1 item from each group.
Write the different meals that can be chosen.

Group 1



Fish



Chicken

Group 2

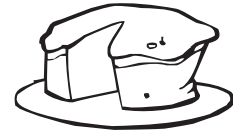


Fries

Group 3



Ice Cream



Cake



Grapes

.....

.....

.....

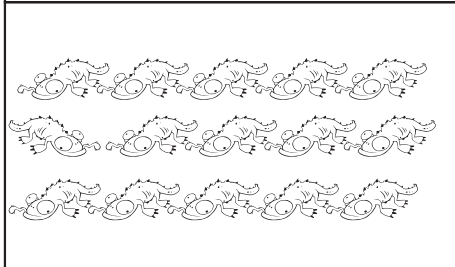
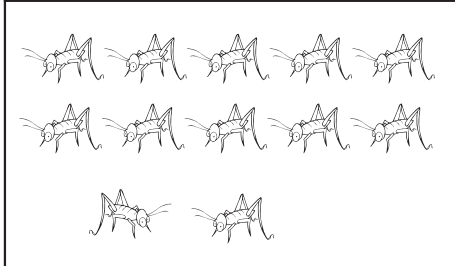
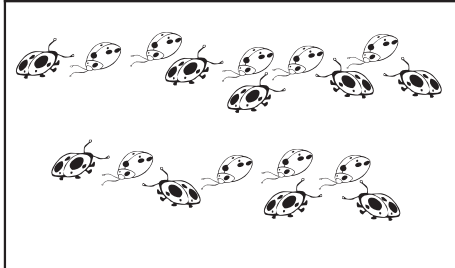
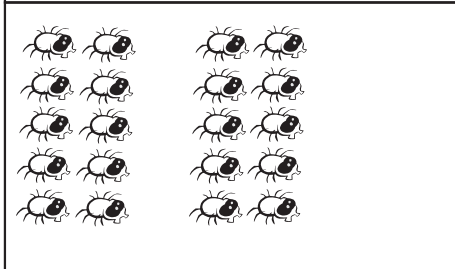
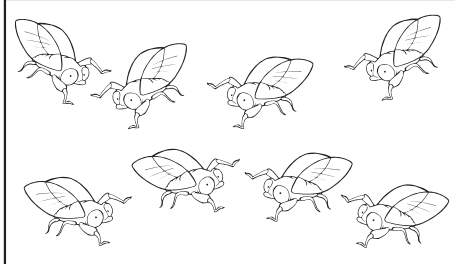
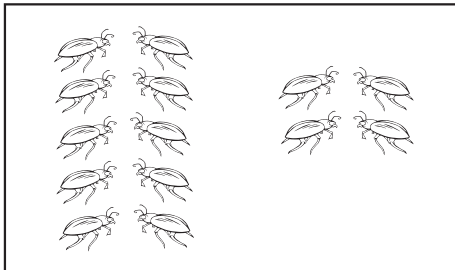
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Counting to 20

Match each set with the correct number word.



five

nine

fourteen

twenty

eight

sixteen

eighteen

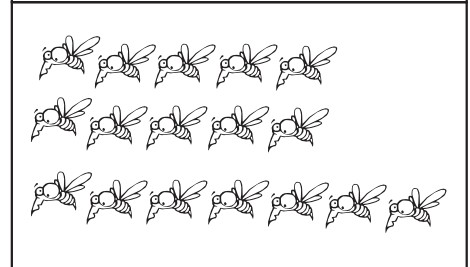
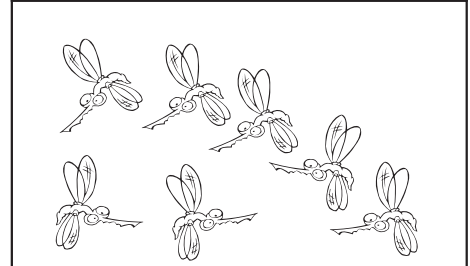
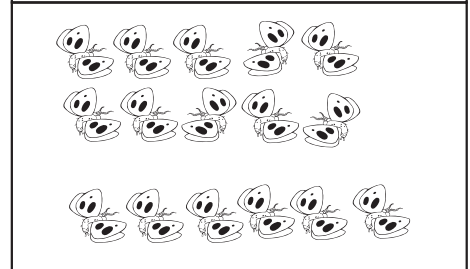
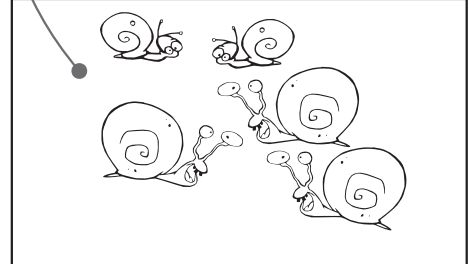
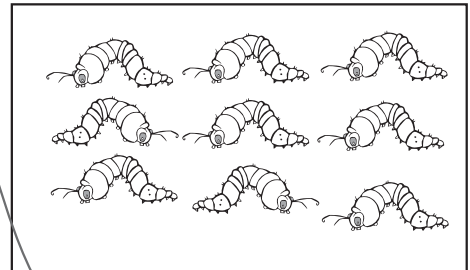
twelve

thirteen

seventeen

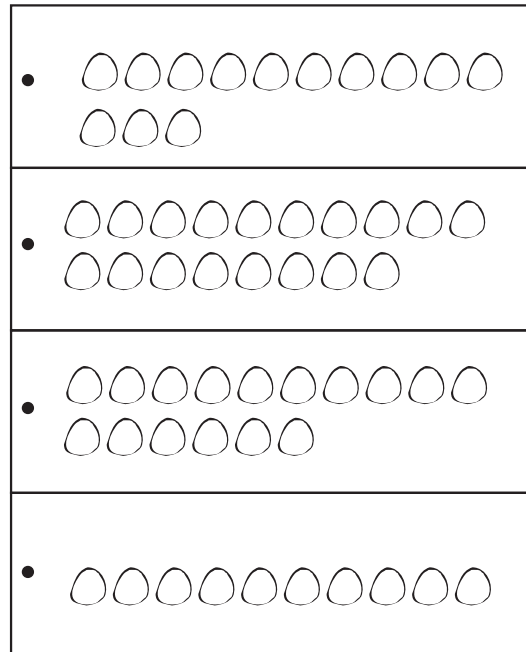
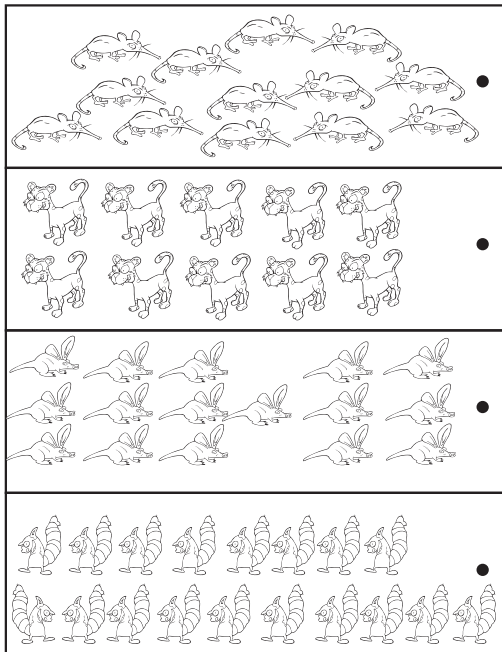
seven

fifteen



Equal Sets

Draw a line between the sets that contain the same number of objects.

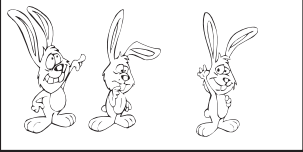

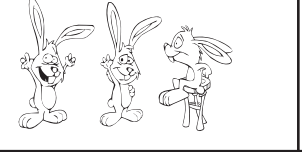
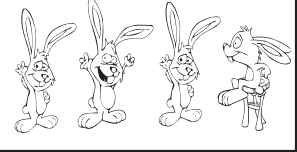
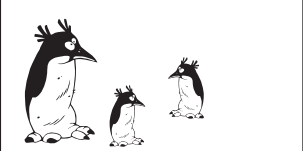

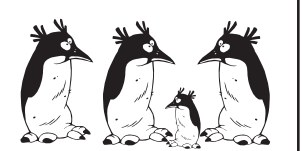
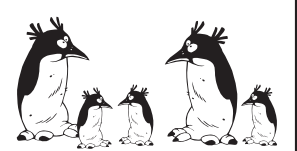
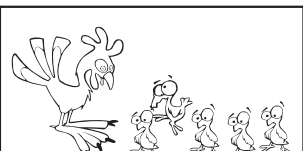
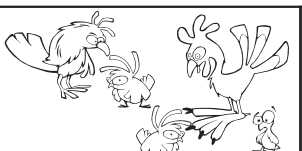

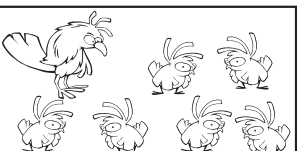
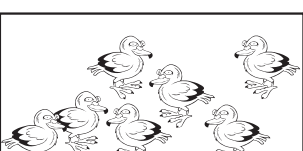
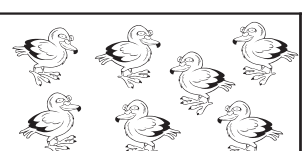
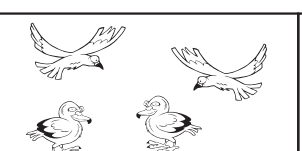
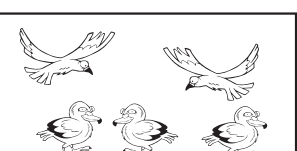


Circle the correct number of objects.

1	
3	
7	
10	
12	
13	
15	
17	
19	
20	






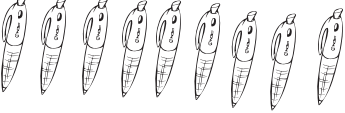

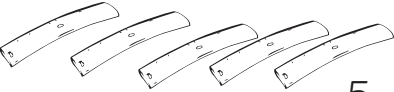

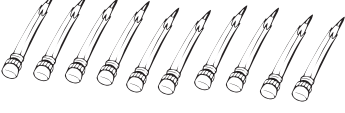
Equal Sets

Put a circle around the sets that contain the same number of objects in each group.

1.				
2.				
3.				
4.				

Numbers and Number Words

Write the number word beside each number.



	1		7
	2		8
	3		9
	4		5
	6		10



Comparing Numbers



Write the number of objects in each row.



Compare each row and tick (✓) the row that has less items.



	8	
	6	✓




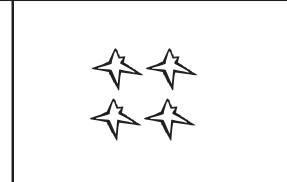
		
		

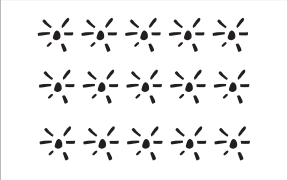
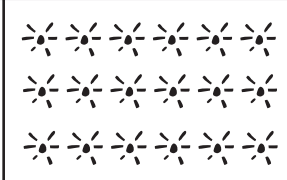
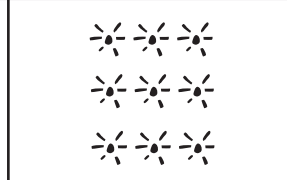
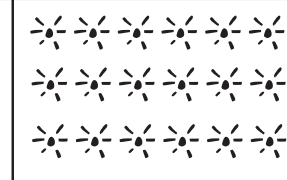
		
		

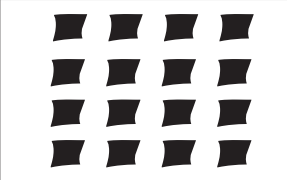
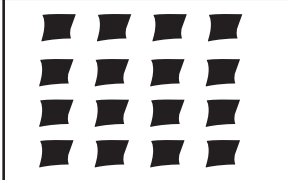
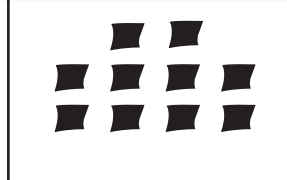
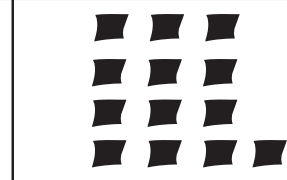
		
		

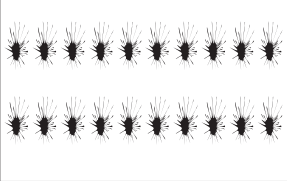
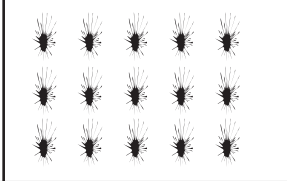
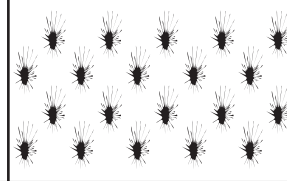
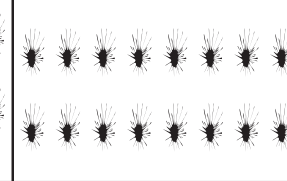
Comparing Numbers

Write the number of objects in each set. Compare each set and tick (✓) the sets that have the same number of items.

			
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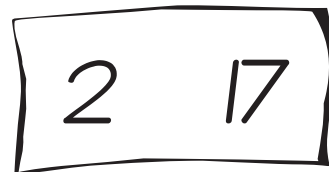
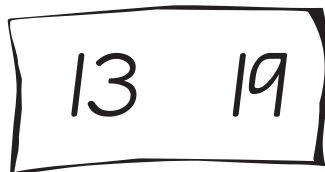
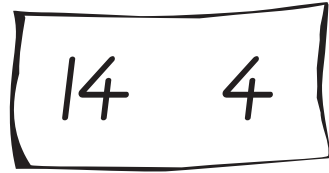
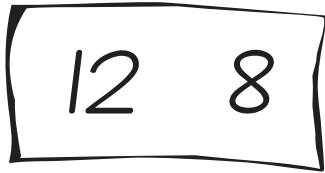
			
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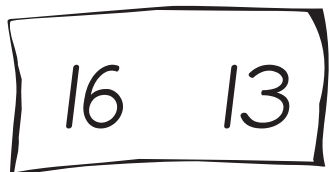
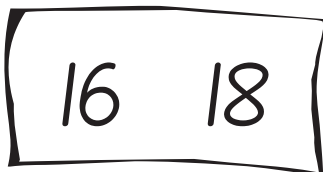
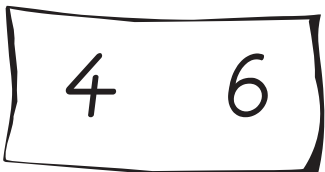
			
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Comparing Numbers - Greater and Smaller

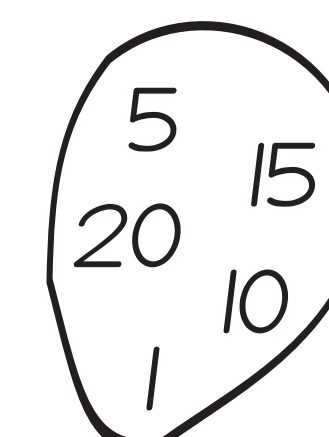
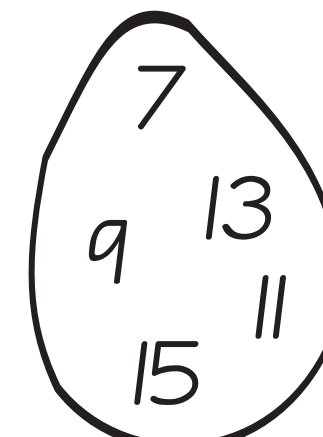
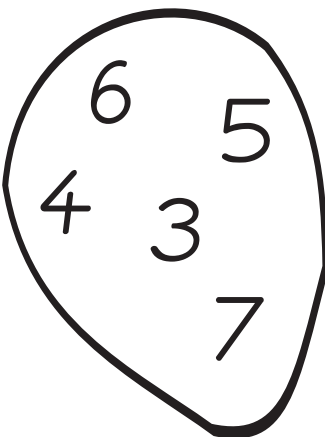
Circle the greater number in each set.



Circle the smaller number in each set.



Circle the greatest number and cross (X) the smallest number in each set.



Ordinal Numbers

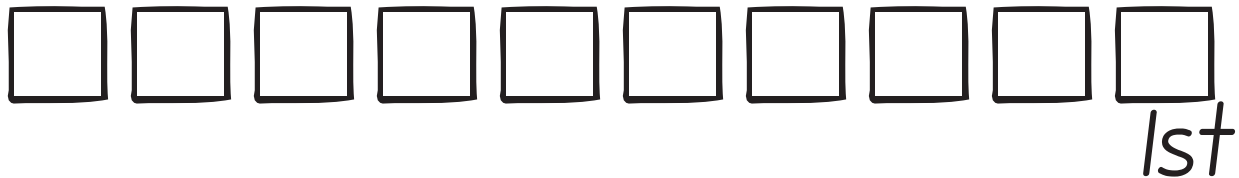
Shade the 6th circle from the right.



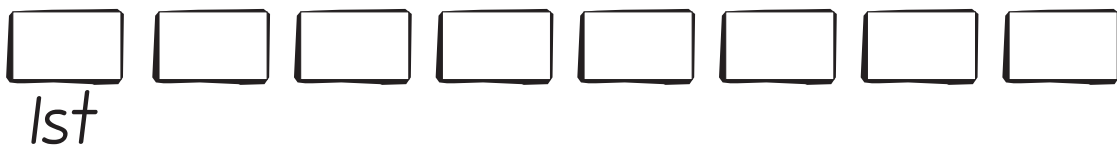
Shade the 2nd triangle from the left.



Shade the 5th square.



Shade the 4th rectangle.



Shade the 8th pentagon from the left.



Shade the 10th hexagon from the right.



Shade the 3rd star.



Ordinal Numbers



Fill in the blanks below with 1st, 2nd, 3rd, 4th or 5th.

If the square is in 2nd position then the circle is

If the triangle is in 1st position then the star is,
and the rectangle is

If the circle is in 4th position then the star is
and the triangle is

Fill in the blanks below with 1st, 2nd, 3rd, 4th, 5th or 6th.



The sheep is from the left.

The horse is from the left.

The cow is from the left and from
the right.

The turkey is from the right and from
the left.

Ordinals and Counting

Colour in 6 circles.

Put a tick in the 3rd circle from the left.

What is its position from the right?

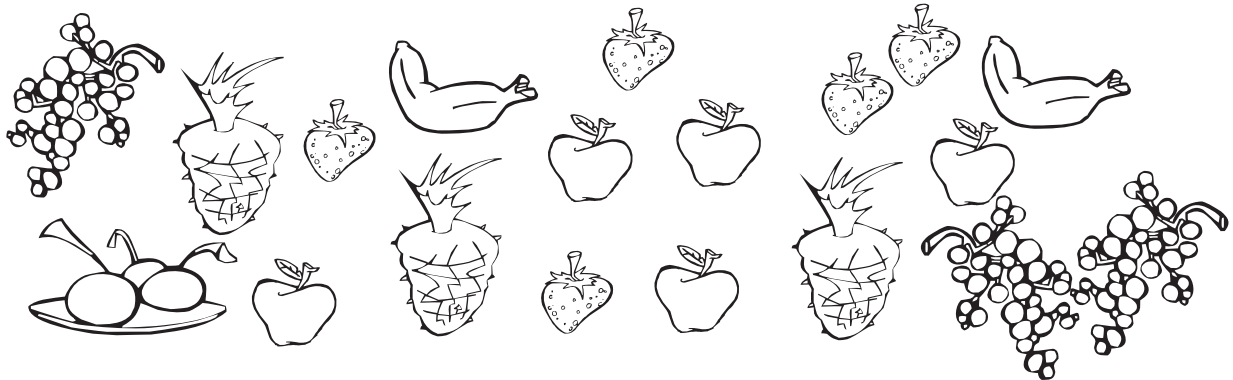


How many snails are there?

Colour in the snail that is 1st and the snail that is 6th.

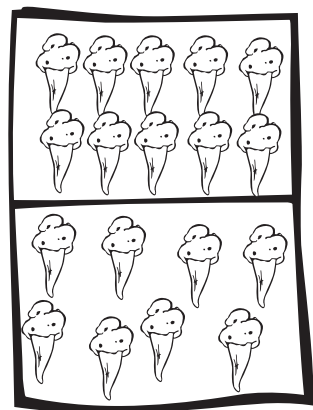
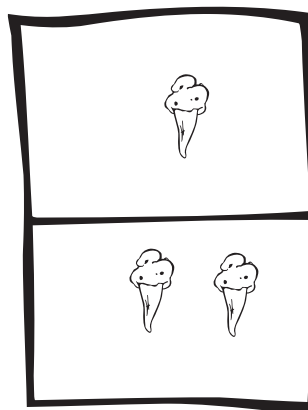
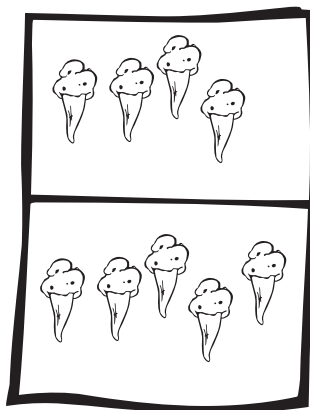


Find all the apples in the picture and colour them red.



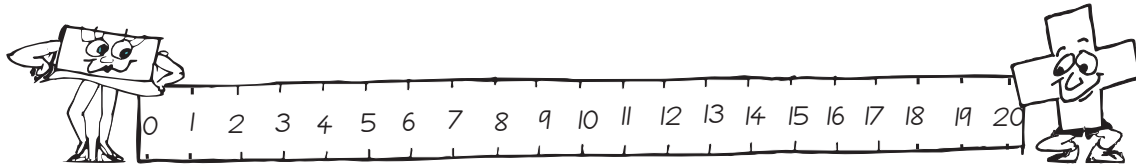
Each card below contains two groups of ice creams.

Circle the group on each card that has the most ice creams.



Numbers and Their Positions

Use the number line to find the correct numbers.



1. is one after 15.

2. 12 is one after

3. is two before 6.

4. 7 is three before

5. The numbers on either side of 1 are and

6. The numbers on either side of 12 are and

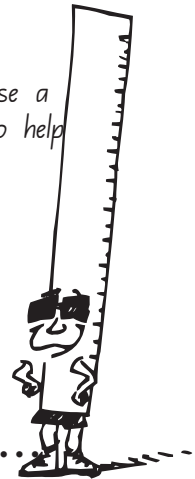
7. 19 is two after

8. Continue the sequence 10, 9, 8,,

9. Continue the sequence 0, 2, 4,,,

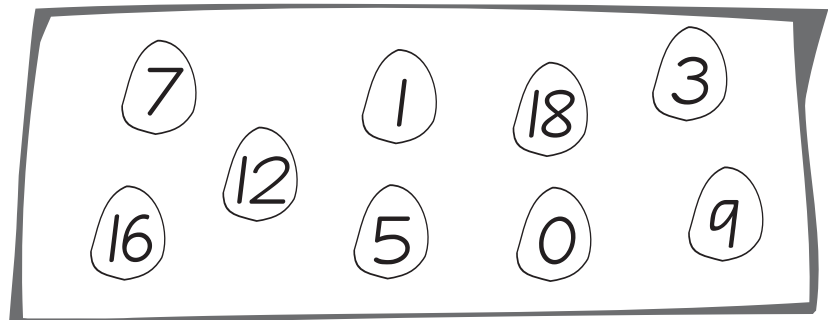
10. Continue the sequence 1, 3, 5,,,

You can sometimes use a ruler or a calendar to help you count.

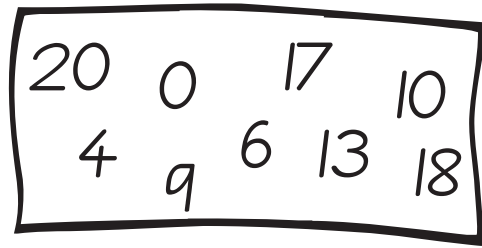


Colour the numbers greater than 7 red.

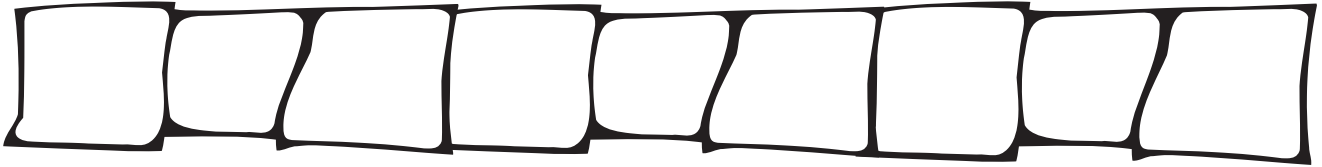
Colour the numbers less than 7 blue.



In Order



Write the numbers in order, then answer the questions.



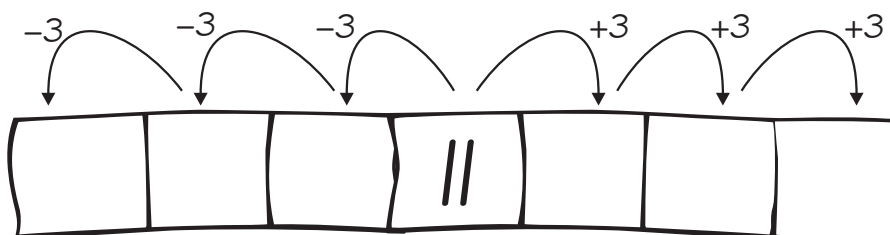
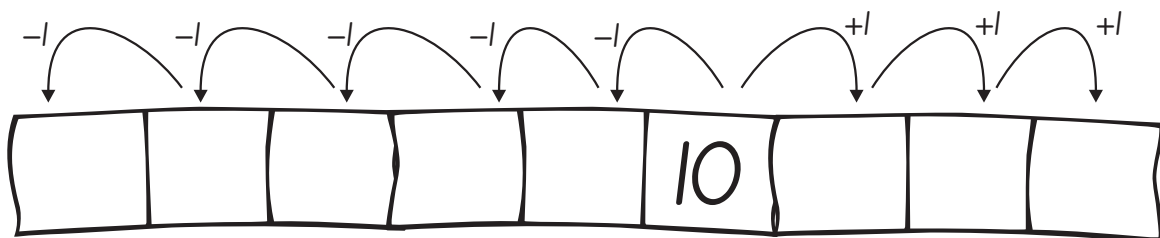
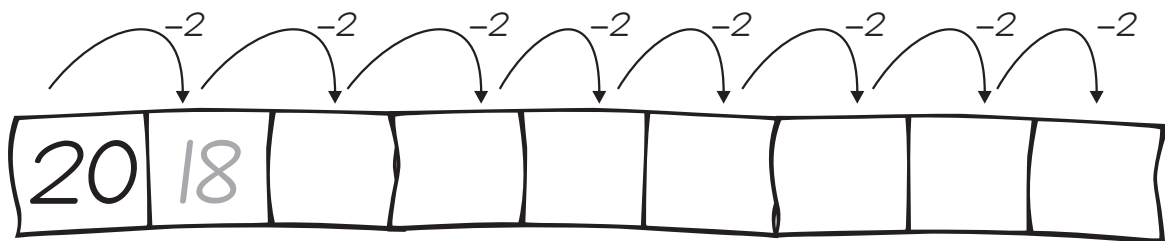
The biggest number is

The smallest number is

The odd numbers are





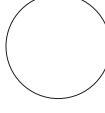

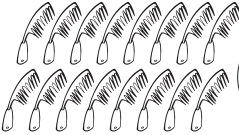
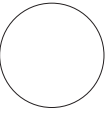

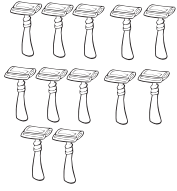
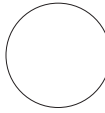


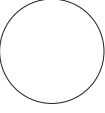
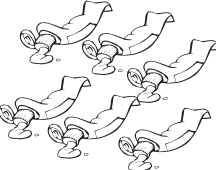



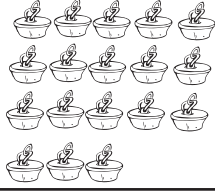
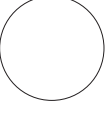

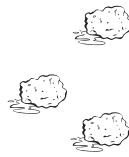
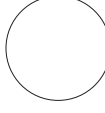
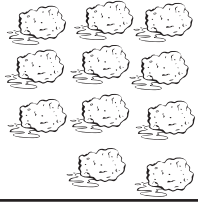

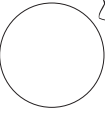
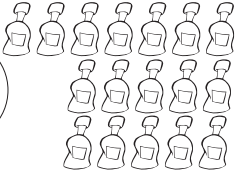
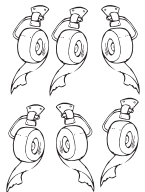

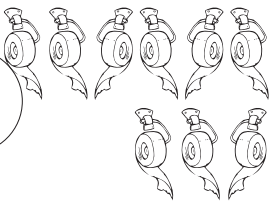

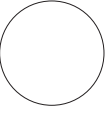

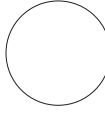

The even numbers are

Complete the patterns



Greater or Less Than

In the circle put a greater than (>) or less than (<) sign.
(The sign always points towards the smaller number.)

 2   3	  
  	  
  	  
  	  
  	  
  	 

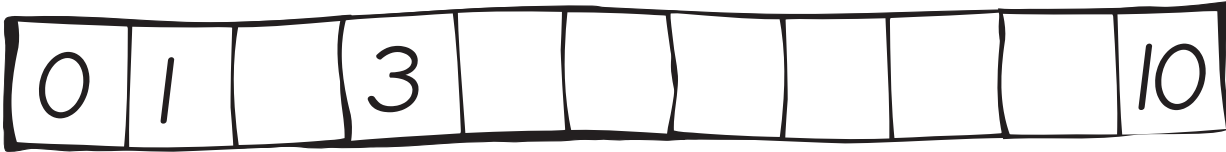
Put a circle around all the numbers less than 15.

Put a cross through all the numbers greater than 12.






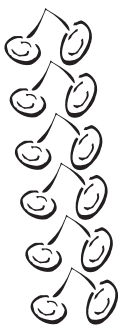

1 18 12 8 17 4 7 10 14
16 5 2 11 3 19 9 20 13 6








Numbers and Number Sequences

Complete the numbers in the number line.

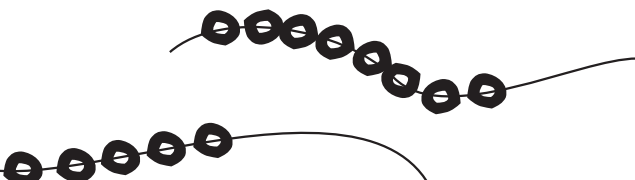





Count the cherries.

						
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

						
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

There were 12 beads on each piece of string.
Some beads have fallen off.
Write a subtraction sum for each.

		$12 - 4 = \dots\dots\dots$
		$12 - 7 = \dots\dots\dots$

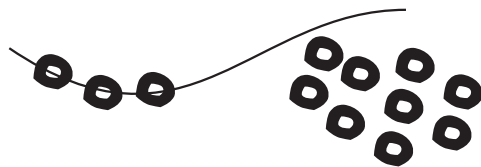
Adding and Subtracting

There were 12 beads on each piece of string.
Some beads have fallen off.

Write a subtraction sum for each.

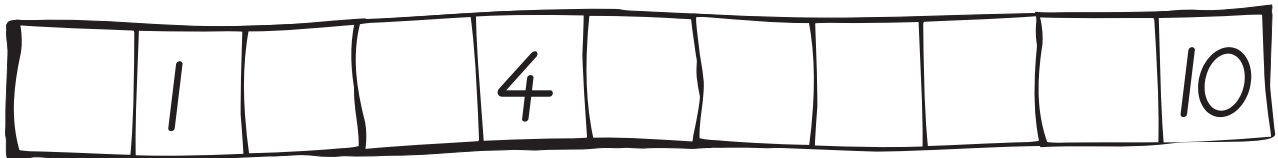


$12 - 5 = \dots\dots\dots$



$12 - 9 = \dots\dots\dots$

Complete the numbers in the number line.



Left

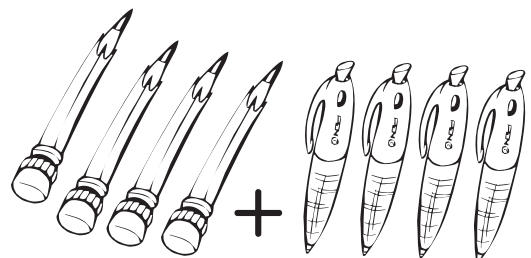
Right

Use the number line to show where you end up if:

- from 9, you move 3 to the left.
- from 3, you move 2 to the right.
- from 7, you move 5 to the left.
- from 2, you move 8 to the right.
- from 6, you move 6 to the left.
- from 5, you move 4 to the right.

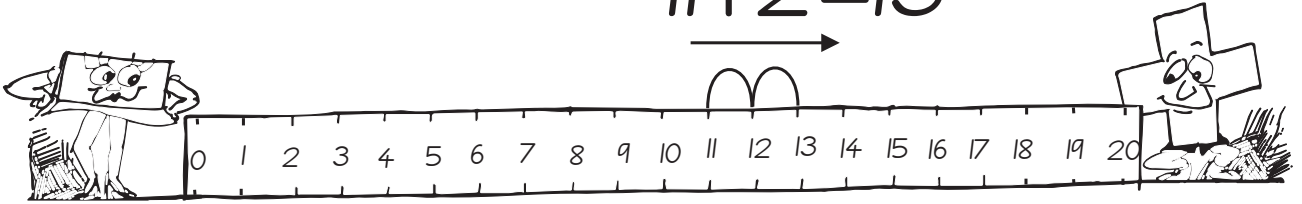
Write an addition sum for the number of pens and pencils.

..... + =



Adding

$$11 + 2 = 13$$



Add 2 to these numbers.

$9 + 2 = \dots\dots\dots$

$15 + 2 = \dots\dots\dots$

$7 + 2 = \dots\dots\dots$

$10 + 2 = \dots\dots\dots$

$14 + 2 = \dots\dots\dots$

$9 + 2 = \dots\dots\dots$

$18 + 2 = \dots\dots\dots$

$12 + 2 = \dots\dots\dots$

$5 + 2 = \dots\dots\dots$

$17 + 2 = \dots\dots\dots$

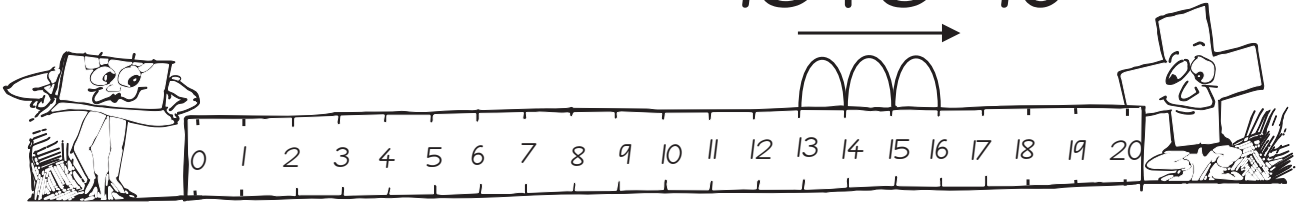
Complete these addition strips.

add	10	5	13	9	6	16	8	17	12
3	13								

add	12	7	14	10	16	11	9	13	15
4	16								

Adding

$$13 + 3 = 16$$



Complete these additions.

$7 + 4 = \dots\dots\dots$

$9 + 3 = \dots\dots\dots$

$12 + 4 = \dots\dots\dots$

$16 + 2 = \dots\dots\dots$

$11 + 3 = \dots\dots\dots$

$14 + 5 = \dots\dots\dots$

$13 + 4 = \dots\dots\dots$

$18 + 2 = \dots\dots\dots$

$15 + 4 = \dots\dots\dots$

$13 + 2 = \dots\dots\dots$

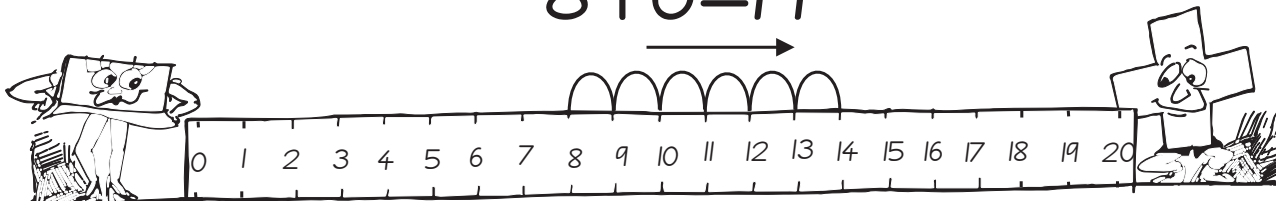
Complete these addition strips.

add	10	5	13	9	6	14	8	1	12
5 ↓	15								

add	12	7	14	10	16	11	9	13	15
2 ↓	14								

Adding

$$8+6=14$$



Complete these additions.

$9+4=.....$

$14+5=.....$

$8+4=.....$

$12+6=.....$

$11+5=.....$

$13+4=.....$

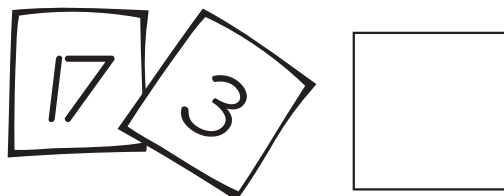
$10+6=.....$

$12+7=.....$

$15+5=.....$

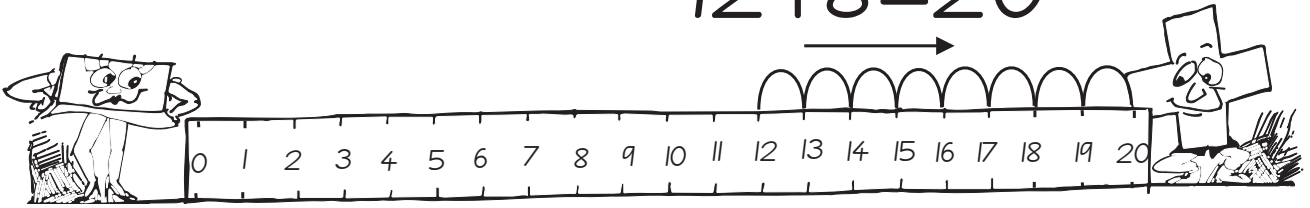
$14+6=.....$

Write down the total of the numbers on each pair of cards.

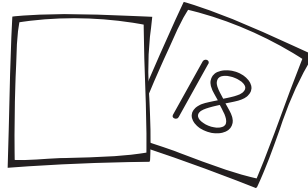
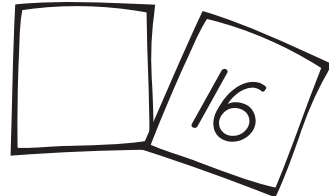
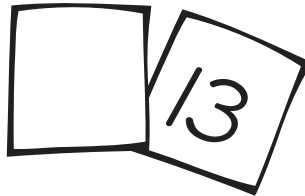
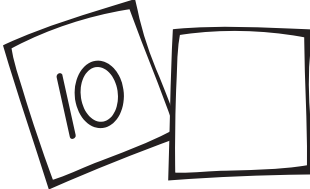
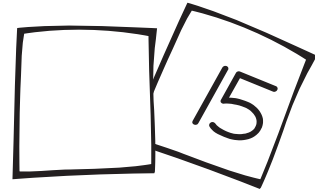
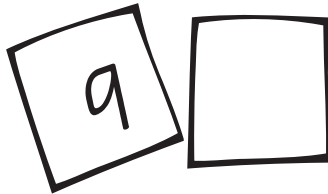


Adding

$$12 + 8 = 20$$



Each pair of cards should sum to total 20.
Write down the missing numbers.



Complete these additions.

$6 + 8 = \dots\dots\dots$

$8 + 8 = \dots\dots\dots$

$9 + 9 = \dots\dots\dots$

$10 + 7 = \dots\dots\dots$

$11 + 7 = \dots\dots\dots$

$8 + 7 = \dots\dots\dots$

$5 + 5 = \dots\dots\dots$

$13 + 6 = \dots\dots\dots$

$7 + 8 = \dots\dots\dots$

$8 + 5 = \dots\dots\dots$

Adding

Draw spots on the blank cards to make the totals.

$$\begin{array}{|c|} \hline \bullet \bullet \\ \bullet \bullet \\ \bullet \bullet \\ \bullet \bullet \\ \hline \end{array} + \begin{array}{|c|} \hline \bullet \bullet \\ \bullet \bullet \\ \hline \end{array} = 12$$

$$\begin{array}{|c|} \hline \bullet \\ \bullet \\ \bullet \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \\ \\ \hline \end{array} = 10$$

$$\begin{array}{|c|} \hline \bullet \bullet \bullet \\ \bullet \bullet \bullet \\ \bullet \bullet \bullet \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \\ \\ \hline \end{array} = 15$$

$$\begin{array}{|c|} \hline \bullet \bullet \\ \bullet \bullet \\ \bullet \bullet \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \\ \\ \hline \end{array} = 14$$

$$\begin{array}{|c|} \hline \bullet \bullet \bullet \\ \bullet \bullet \bullet \\ \bullet \bullet \bullet \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \\ \\ \hline \end{array} = 11$$

$$\begin{array}{|c|} \hline \bullet \bullet \\ \bullet \bullet \\ \bullet \bullet \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \\ \\ \hline \end{array} = 13$$

Complete these additions.

$$7 + 5 = \dots\dots\dots$$

$$18 + 1 = \dots\dots\dots$$

$$9 + 8 = \dots\dots\dots$$

$$13 + 7 = \dots\dots\dots$$

$$6 + 7 = \dots\dots\dots$$

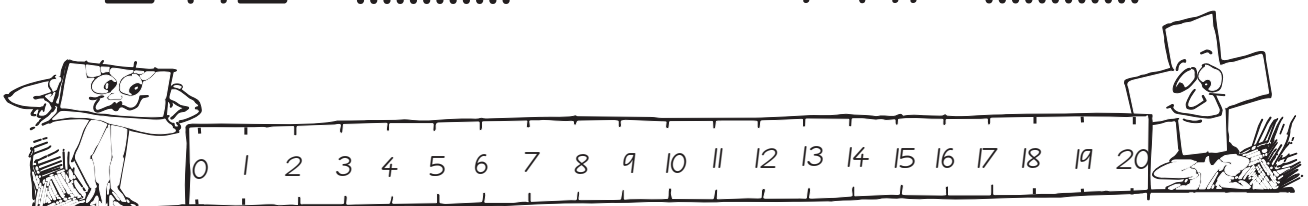
$$10 + 8 = \dots\dots\dots$$

$$5 + 9 = \dots\dots\dots$$

$$12 + 5 = \dots\dots\dots$$

$$2 + 12 = \dots\dots\dots$$

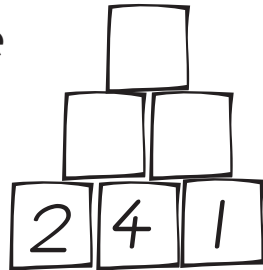
$$4 + 11 = \dots\dots\dots$$



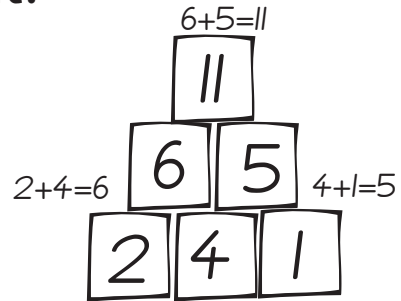
Addition

The following pyramids are formed by adding each of the numbers in the blocks below it.

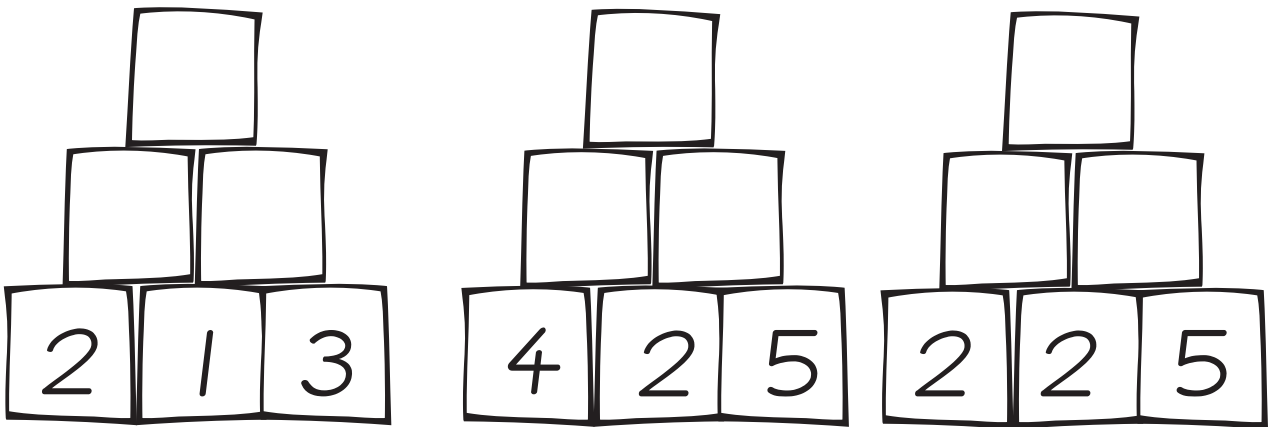
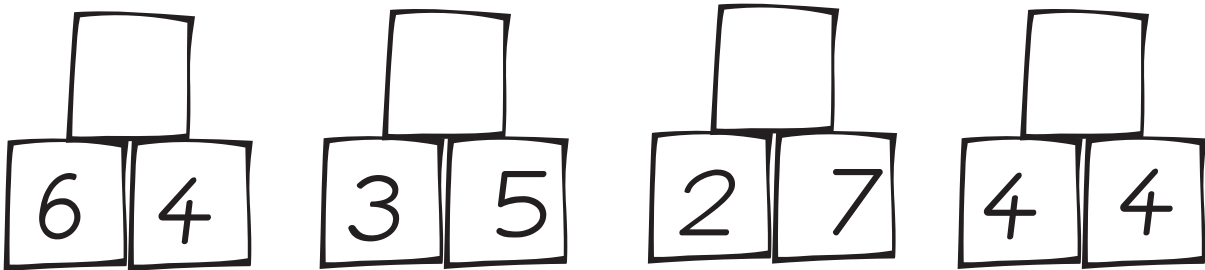
Therefore



becomes



Complete these pyramids.



Complete these additions.

$$5+3=.....$$

$$3+9=.....$$

$$14+4=.....$$

$$9+7=.....$$

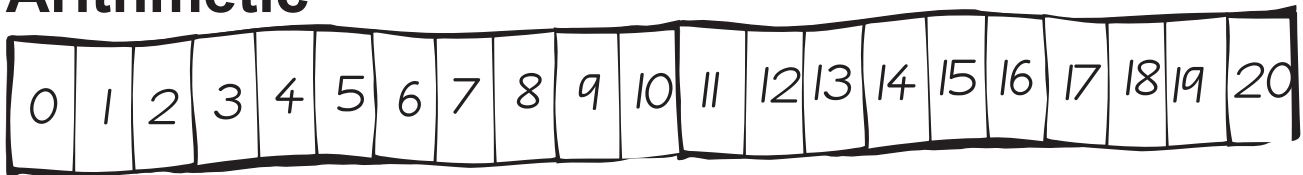
$$7+8=.....$$

$$4+5=.....$$

$$12+7=.....$$

$$2+11=.....$$

Arithmetic



Use the number line to show where you end up if:

- from 14, you move 2 to the left.
- from 17, you move 2 to the right.
- from 16, you move 5 to the left.
- from 8, you move 8 to the right.
- from 19, you move 6 to the left.
- from 11, you move 4 to the right.

Complete the additions by writing in the missing numbers.

$$1 + \square = 5$$

$$4 + \square = 7$$

$$\square + 3 = 13$$

$$\square + 2 = 15$$

$$6 + \square = 12$$

$$11 + \square = 16$$

$$\square + 4 = 10$$

$$\square + 4 = 18$$

Subtraction

$$9 - 2 = 7$$



Complete these subtractions.

$9 - 2 = \dots\dots\dots$

$15 - 2 = \dots\dots\dots$

$7 - 2 = \dots\dots\dots$

$10 - 2 = \dots\dots\dots$

$14 - 2 = \dots\dots\dots$

$9 - 2 = \dots\dots\dots$

$18 - 2 = \dots\dots\dots$

$12 - 2 = \dots\dots\dots$

$5 - 2 = \dots\dots\dots$

$17 - 2 = \dots\dots\dots$

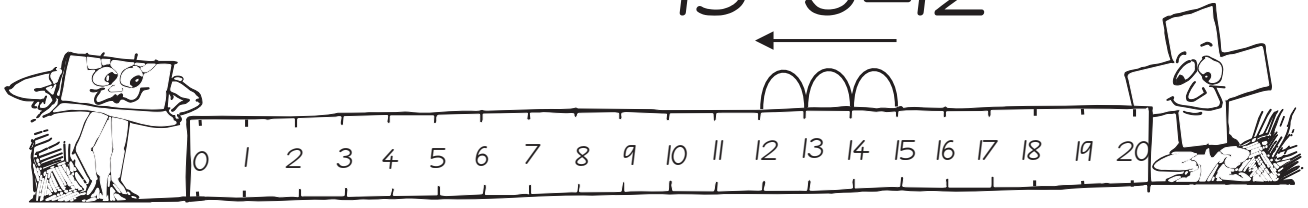
Complete these subtraction strips.

subtract 3	10	5	13	9	6	16	8	17	12
	7								

subtract 4	12	7	14	10	16	11	9	13	15
	8								

Subtraction

$$15 - 3 = 12$$



Complete these subtractions.

$15 - 3 = \dots\dots\dots$

$17 - 3 = \dots\dots\dots$

$13 - 4 = \dots\dots\dots$

$12 - 2 = \dots\dots\dots$

$16 - 5 = \dots\dots\dots$

$9 - 5 = \dots\dots\dots$

$14 - 4 = \dots\dots\dots$

$18 - 2 = \dots\dots\dots$

$11 - 5 = \dots\dots\dots$

$10 - 3 = \dots\dots\dots$

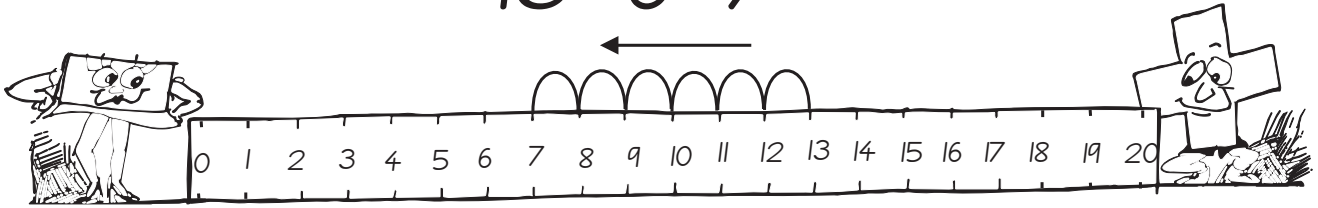
Complete these subtraction strips.

subtract 5 ↓	10	5	13	9	6	14	8	11	12
	5								

subtract 6 ↓	12	7	14	10	16	11	9	13	15
	6								

Subtraction

$$13 - 6 = 7$$



Complete these subtractions.

$13 - 6 = \dots\dots\dots$

$15 - 5 = \dots\dots\dots$

$10 - 4 = \dots\dots\dots$

$12 - 6 = \dots\dots\dots$

$14 - 5 = \dots\dots\dots$

$18 - 4 = \dots\dots\dots$

$19 - 6 = \dots\dots\dots$

$16 - 5 = \dots\dots\dots$

$17 - 5 = \dots\dots\dots$

$11 - 6 = \dots\dots\dots$

Subtract the smaller number from the bigger.
The answer is called the difference.

$7 - 5 = \square$

$10 - 4 = \square$

$6 - 6 = \square$

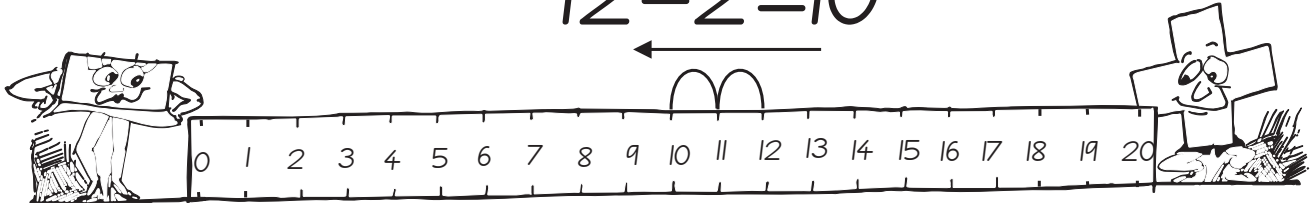
$17 - 3 = \square$

$12 - 4 = \square$

$13 - 2 = \square$

Subtraction

$$12 - 2 = 10$$



The difference between each pair of cards should be 10. Write down the missing numbers.

12 2

15 \square

16 \square

10 \square

13 \square

19 \square

18 \square

14 \square

20 \square

Complete these subtractions.

$12 - 5 = \dots\dots\dots$

$8 - 8 = \dots\dots\dots$

$19 - 6 = \dots\dots\dots$

$11 - 7 = \dots\dots\dots$

$16 - 7 = \dots\dots\dots$

$18 - 5 = \dots\dots\dots$

$15 - 8 = \dots\dots\dots$

$13 - 6 = \dots\dots\dots$

$20 - 5 = \dots\dots\dots$

$14 - 8 = \dots\dots\dots$

Subtraction

Write the difference between the heights of each pair of blocks.

Five pairs of blocks are shown. Each pair consists of two vertical stacks of rectangular blocks. The heights of the stacks vary. Above each pair is a box labeled "difference" for the student to write the numerical difference. Illustrations include a helicopter above the second pair, an airplane above the third pair, and a cloud above the fourth pair.

Complete the subtractions by writing in the missing numbers.

$$10 - \square = 5$$

$$14 - \square = 8$$

$$\square - 2 = 13$$

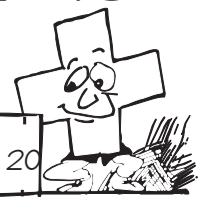
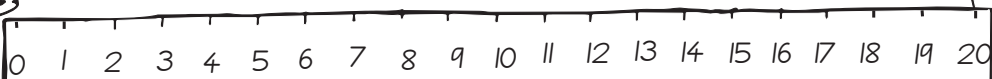
$$\square - 3 = 15$$

$$16 - \square = 12$$

$$11 - \square = 10$$

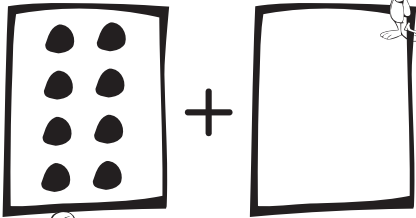
$$\square - 4 = 10$$

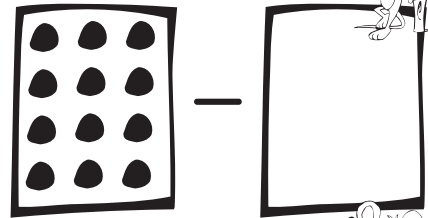
$$\square - 2 = 18$$

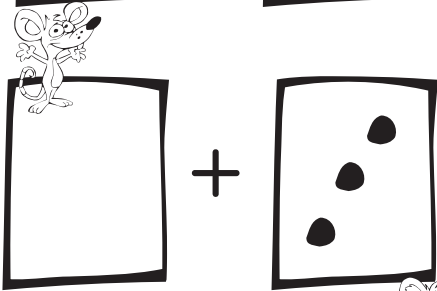


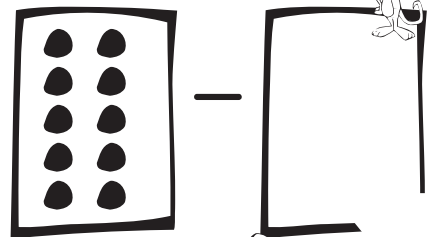
Subtraction

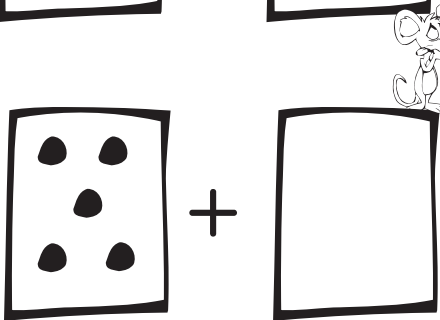
Draw spots on the cards to make these totals.

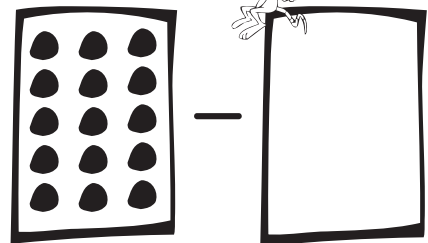

 $6 + \square = 12$


 $8 - \square = 8$


 $\square + 3 = 9$


 $6 - \square = 5$


 $4 + \square = 13$


 $10 - \square = 14$

Complete these sums by writing in the missing sign.

$5 \square 7 = 12$

$5 \square 3 = 2$

$12 \square 2 = 10$

$2 \square 5 = 7$

$10 \square 5 = 5$

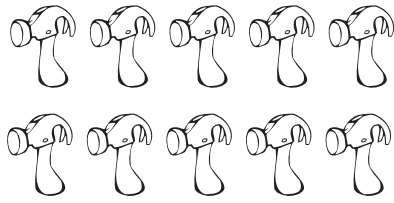
$8 \square 4 = 4$

$7 \square 4 = 11$



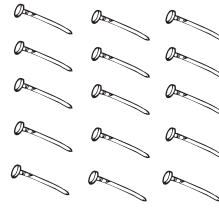
$4 \square 6 = 10$

Describing Groups of Objects



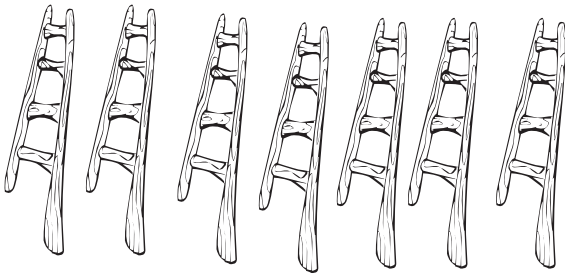
..... 2 rows of 5

Total = 10



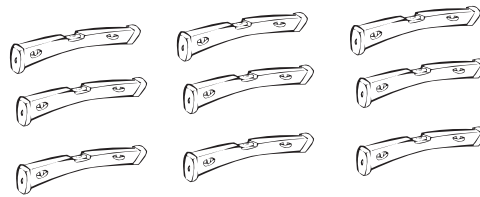
..... rows of

Total =



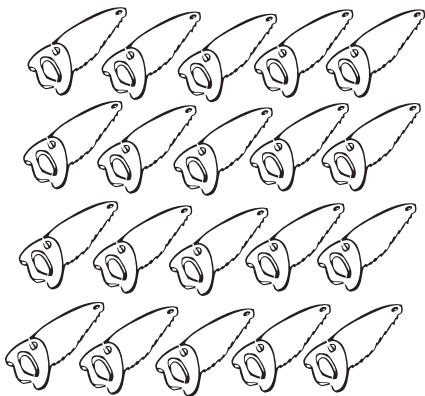
..... row of

Total =



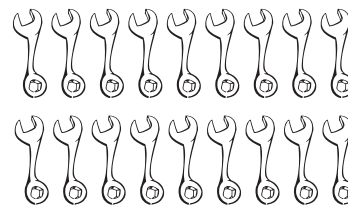
..... rows of

Total =



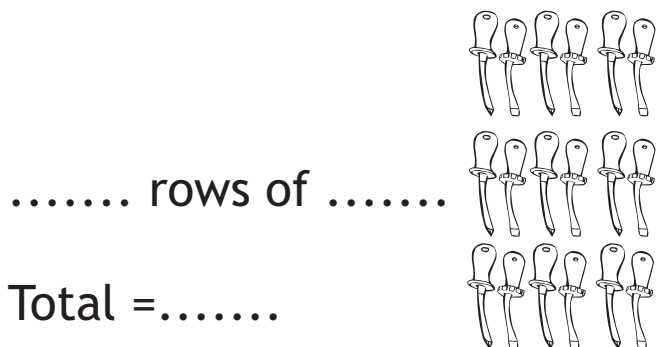
..... rows of

Total =



..... rows of

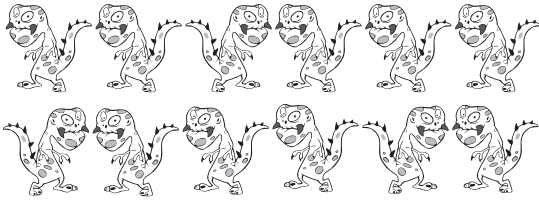
Total =



..... rows of

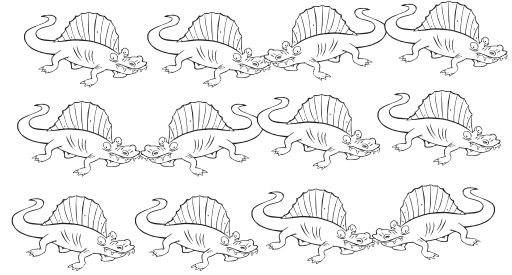
Total =

Describing Groups of Objects



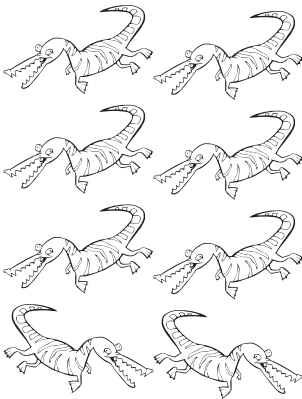
..... rows of

Total =



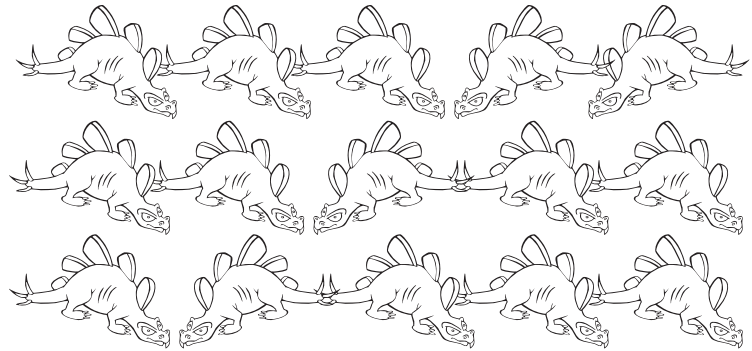
..... rows of

Total =



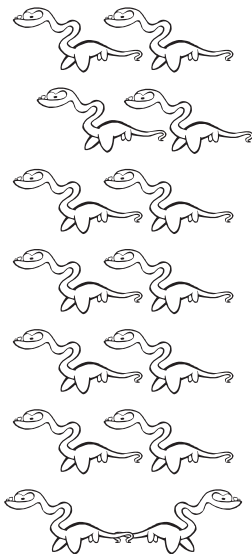
..... rows of

Total =



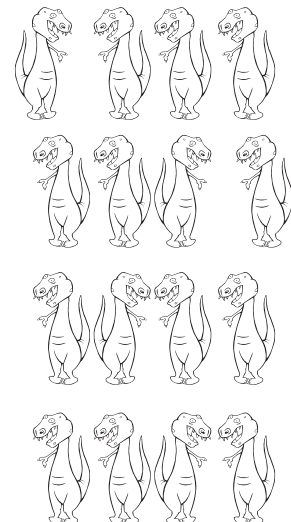
..... rows of

Total =



..... rows of

Total =



..... rows of

Total =

Describing Groups of Objects

Draw the correct number of objects and give the totals.

4 rows of 5



Total =

8 rows of 3



2 rows of 6



Total =

3 rows of 3



Total =

1 row of 4



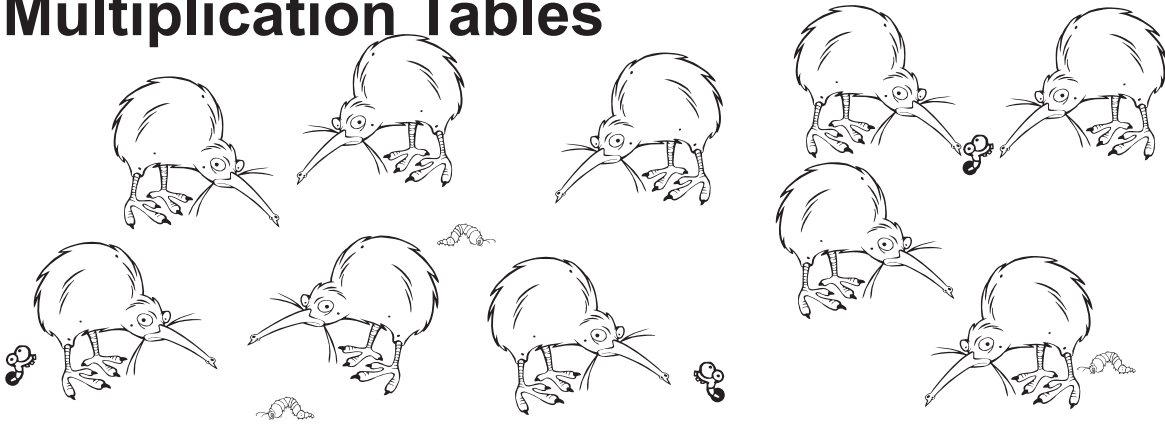
Total =

2 rows of 9



Total =

Multiplication Tables

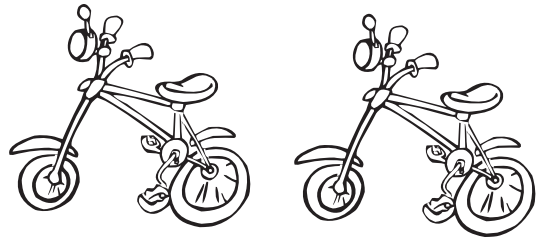


Write in the missing numbers.

1 kiwi	<input type="text" value="2"/>	feet	$1 \times 2 = \dots\dots\dots$
2 kiwis	<input type="text"/>	feet	$2 \times 2 = \dots\dots\dots$
3 kiwis	<input type="text"/>	feet	$3 \times 2 = \dots\dots\dots$
4 kiwis	<input type="text"/>	feet	$4 \times 2 = \dots\dots\dots$
5 kiwis	<input type="text"/>	feet	$5 \times 2 = \dots\dots\dots$
6 kiwis	<input type="text"/>	feet	$6 \times 2 = \dots\dots\dots$
7 kiwis	<input type="text"/>	feet	$7 \times 2 = \dots\dots\dots$
8 kiwis	<input type="text"/>	feet	$8 \times 2 = \dots\dots\dots$
9 kiwis	<input type="text"/>	feet	$9 \times 2 = \dots\dots\dots$
10 kiwis	<input type="text"/>	feet	$10 \times 2 = \dots\dots\dots$

Multiplication Tables

2 bicycles.
2 wheels on each bicycle.



$$2 \times 2 = \dots\dots\dots$$

How many wheels?

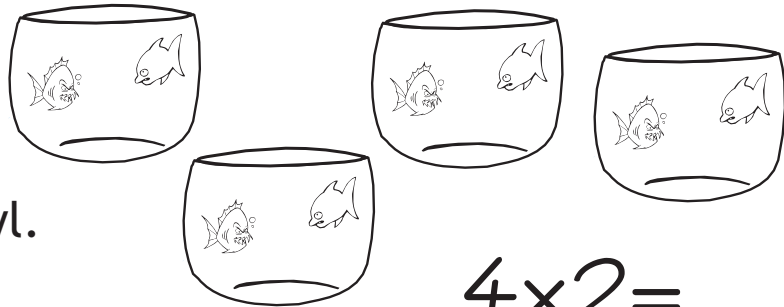
3 cakes.
2 candles on each cake.



$$3 \times 2 = \dots\dots\dots$$

How many candles?

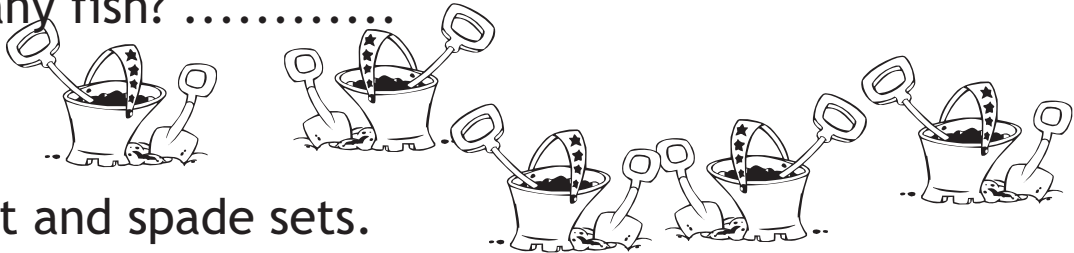
4 fish bowls.
2 fish in each bowl.



$$4 \times 2 = \dots\dots\dots$$

How many fish?

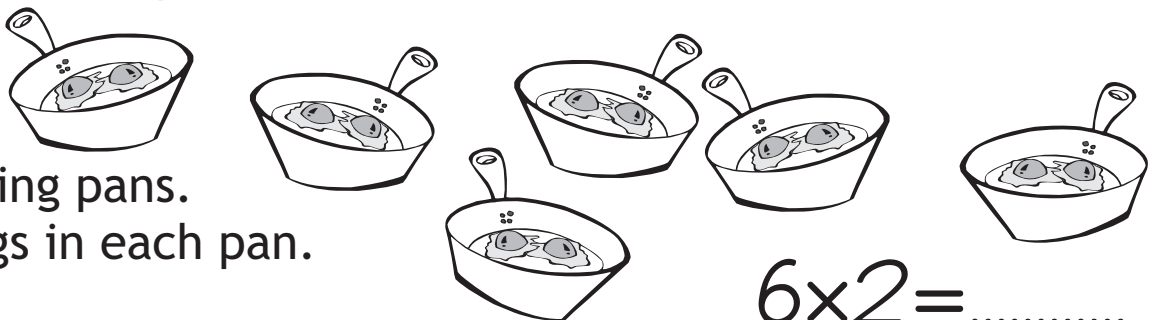
5 bucket and spade sets.
2 spades in each set.



$$5 \times 2 = \dots\dots\dots$$

How many spades?

6 frying pans.
2 eggs in each pan.

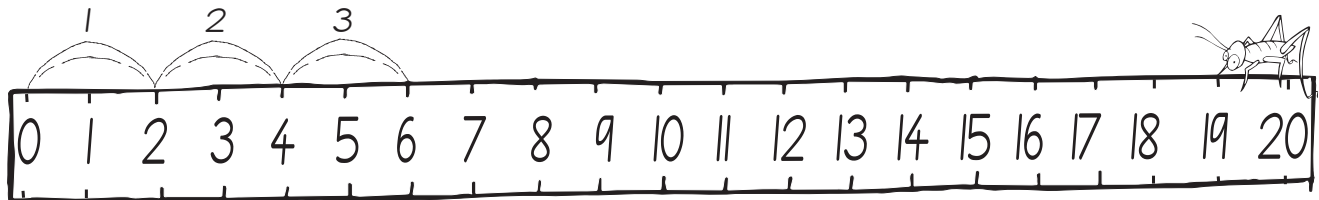


$$6 \times 2 = \dots\dots\dots$$

How many eggs?

Multiplication Tables

The grasshopper jumps along the number in 2's. Write in the boxes all the numbers that the grasshopper lands on.



0	2	4								
---	---	---	--	--	--	--	--	--	--	--

$$1 \times 2 =$$

$$2 \times 2 =$$

$$3 \times 2 =$$

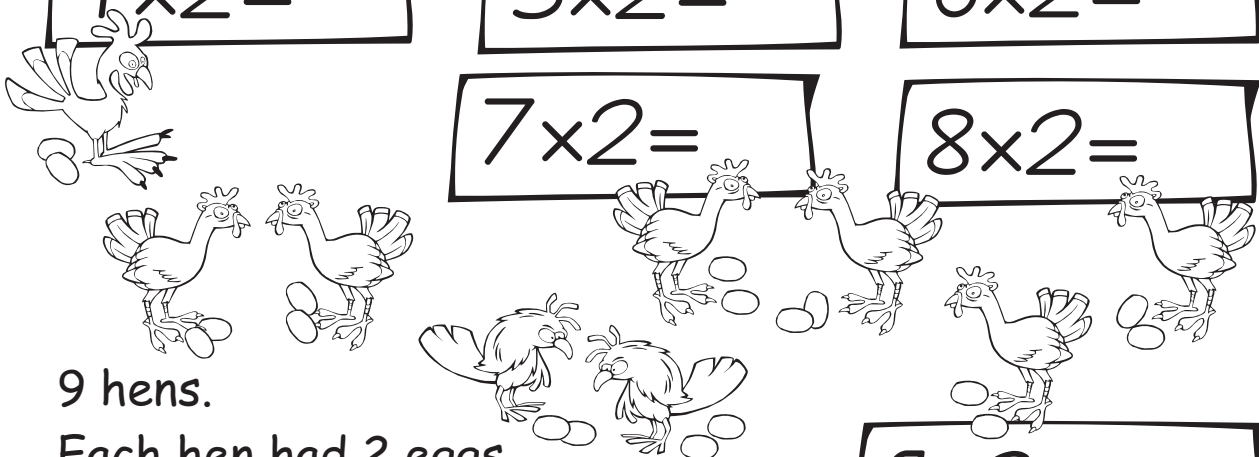
$$4 \times 2 =$$

$$5 \times 2 =$$

$$6 \times 2 =$$

$$7 \times 2 =$$

$$8 \times 2 =$$



9 hens.

Each hen had 2 eggs.

$$9 \times 2 = \dots\dots\dots$$

How many eggs?

10 bunches of cherries.
2 cherries on each bunch.



How many cherries?

$$10 \times 2 = \dots\dots\dots$$

Multiplication Tables

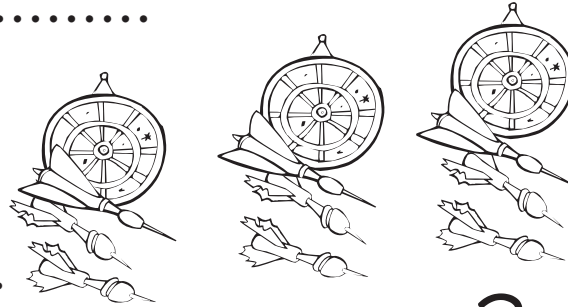
2 bowls of fish.
3 fish in each bowl.



$$2 \times 3 = \dots\dots\dots$$

How many fish?

3 sets of darts.
3 darts in each set.



$$3 \times 3 = \dots\dots\dots$$

How many darts?

4 tribes of monsters.
3 monsters in each tribe.



$$4 \times 3 = \dots\dots\dots$$

How many monsters?

5 plates of cherries.
3 cherries on each plate.



$$5 \times 3 = \dots\dots\dots$$

How many cherries?

6 bunches of bananas.
3 bananas in each bunch.

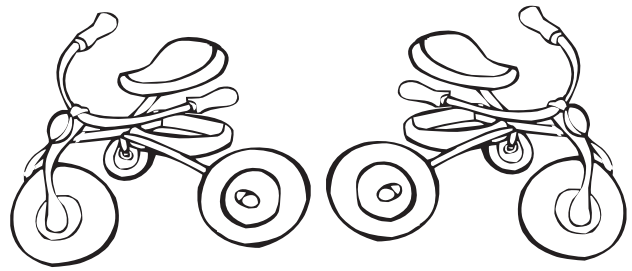


$$6 \times 3 = \dots\dots\dots$$

How many bananas?

Multiplication Tables

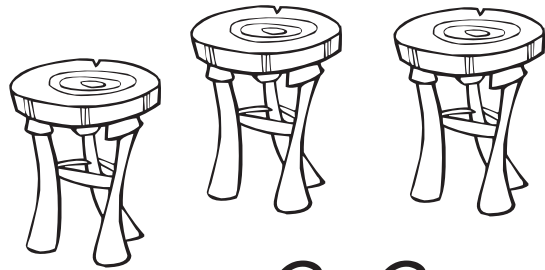
2 tricycles.
3 wheels on each tricycle.



How many wheels?

$$2 \times 3 = \dots\dots\dots$$

3 stools.
3 legs on each stool.



How many legs?

$$3 \times 3 = \dots\dots\dots$$

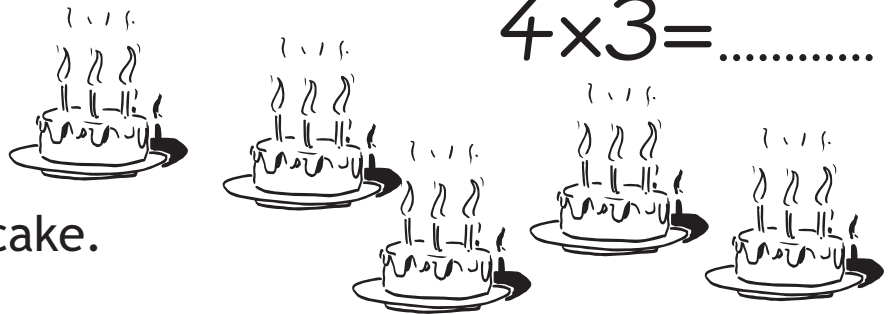
4 key rings rings.
3 keys on each ring.



How many keys?

$$4 \times 3 = \dots\dots\dots$$

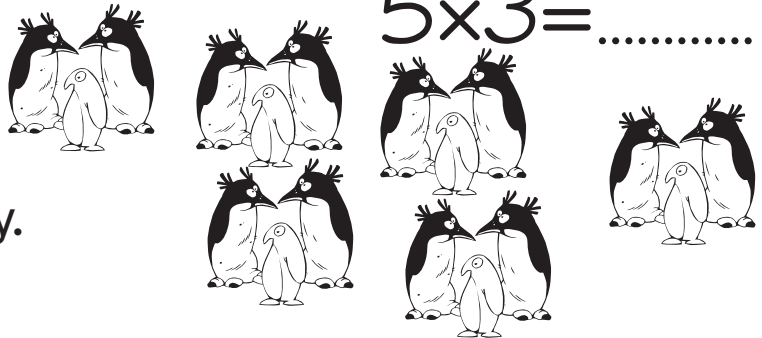
5 cakes.
3 candles on each cake.



How many candles?

$$5 \times 3 = \dots\dots\dots$$

6 families of penguins.
3 penguins in each family.

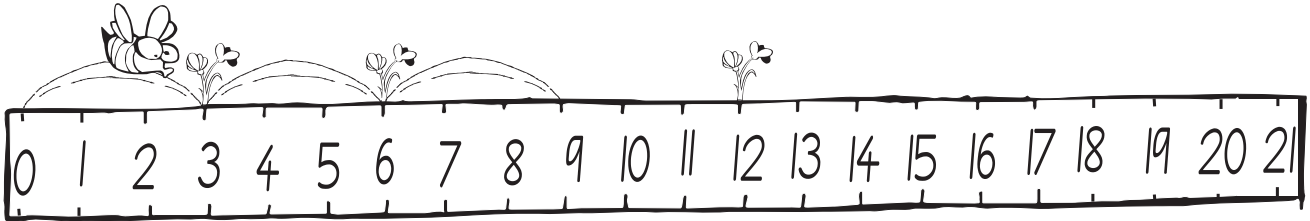


How many penguins?

$$6 \times 3 = \dots\dots\dots$$

Multiplication Tables

The bee flies along the number line and lands on every 3rd number. Write in the boxes all the numbers that the bee lands on.



0	3						
---	---	--	--	--	--	--	--

$1 \times 3 =$

$2 \times 3 =$

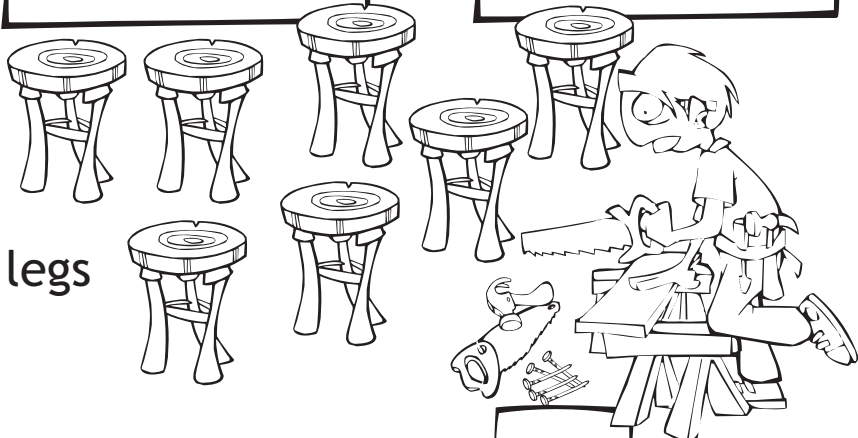
$3 \times 3 =$

$4 \times 3 =$

$5 \times 3 =$

$6 \times 3 =$

$7 \times 3 =$



1 stool

legs

2 stools

legs

5 stools

legs

3 stools

legs

6 stools

legs

4 stools

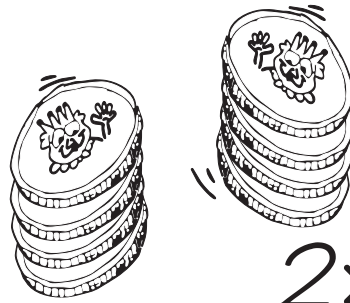
legs

7 stools

legs

Multiplication Tables

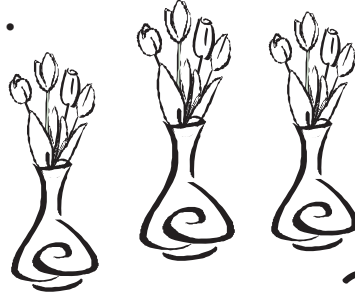
2 piles of coins.
4 coins in each pile.



$2 \times 4 = \dots\dots\dots$

How many coins?

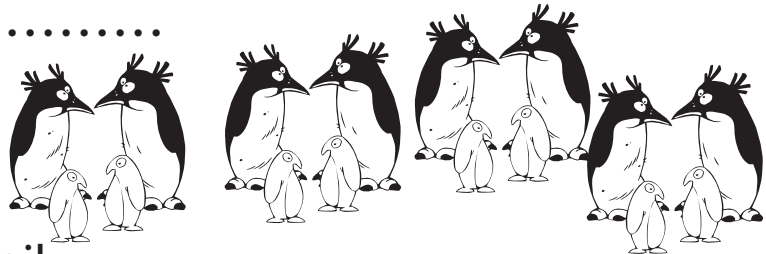
3 vases of flowers.
4 flowers in each vase.



$3 \times 4 = \dots\dots\dots$

How many flowers?

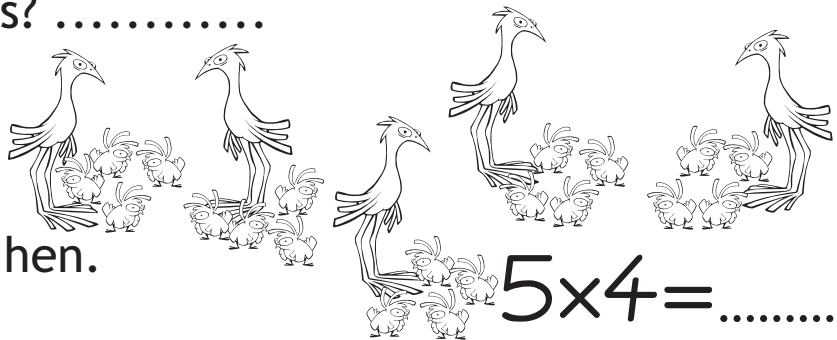
4 penguin families.
4 penguins in each family.



$4 \times 4 = \dots\dots\dots$

How many penguins?

5 mother hens.
4 chicks with each hen.



$5 \times 4 = \dots\dots\dots$

How many chicks?

Cover up all your answers and try to remember the answers to these multiplications.



$2 \times 4 = \dots\dots\dots$
 $3 \times 4 = \dots\dots\dots$
 $4 \times 4 = \dots\dots\dots$
 $5 \times 4 = \dots\dots\dots$

Multiplication Tables

3 sets of keys.
4 keys in each set.



$$3 \times 4 = \dots\dots\dots$$

How many keys?

5 torches.
4 batteries for each torch.



$$5 \times 4 = \dots\dots\dots$$

How many batteries?

1 table.
How legs on the table?



$$1 \times 4 = \dots\dots\dots$$

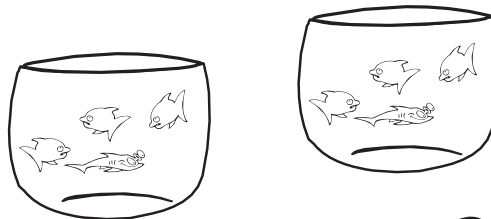
4 piles of coins.
4 coins in each pile.



$$4 \times 4 = \dots\dots\dots$$

How many coins?

2 bowls fish.
4 fish in each bowl.

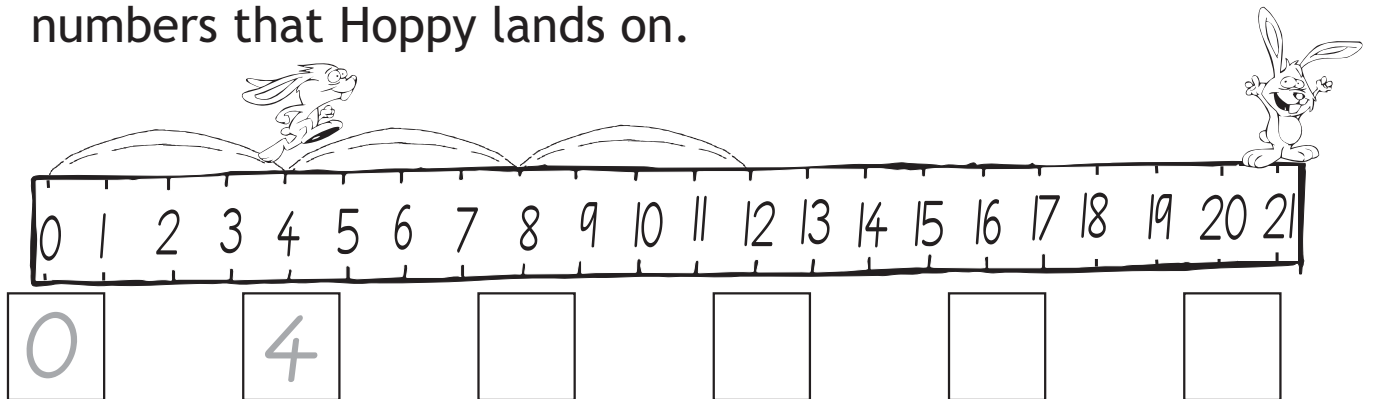


$$2 \times 4 = \dots\dots\dots$$

How many fish?

Multiplication Tables

Hoppy the rabbit jumps along the number line and lands on every 4th number. Write in the boxes all the numbers that Hoppy lands on.



$$1 \times 4 = \text{ }$$

$$2 \times 4 = \text{ }$$

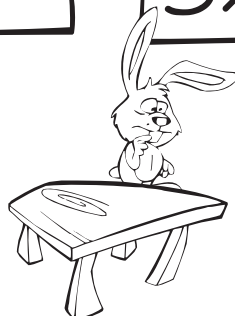
$$3 \times 4 = \text{ }$$

$$4 \times 4 = \text{ }$$

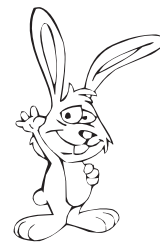
$$5 \times 4 = \text{ }$$



1 table



legs



2 tables

legs



4 tables

legs



3 tables

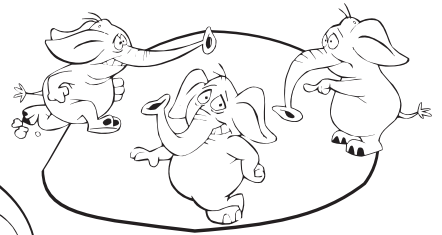
legs

5 tables

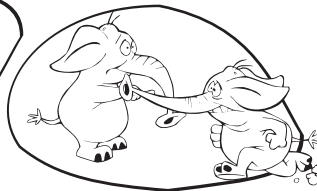
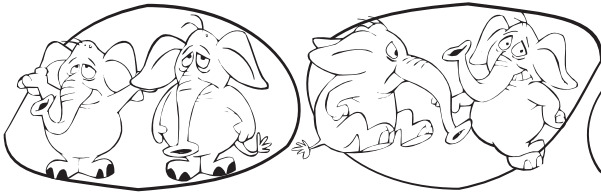
legs

Multiplication Tables

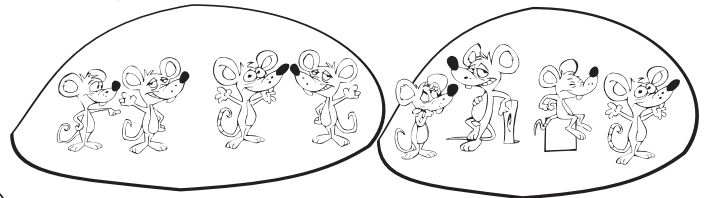
Write in the missing products.



$$2 \times 3 = \dots\dots\dots$$

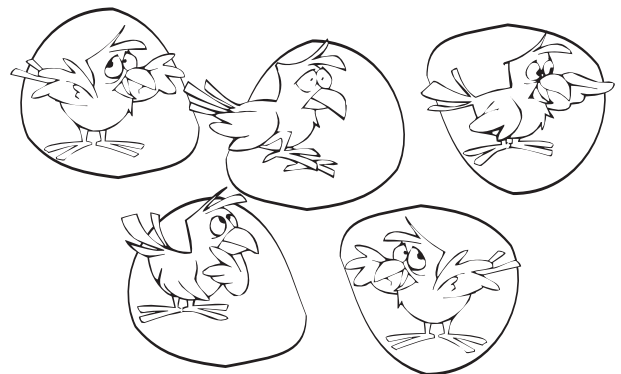
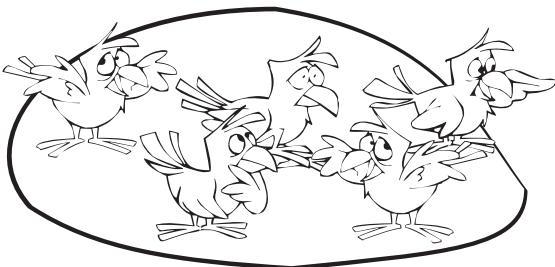


$$3 \times 2 = \dots\dots\dots$$

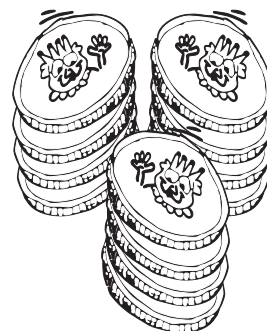
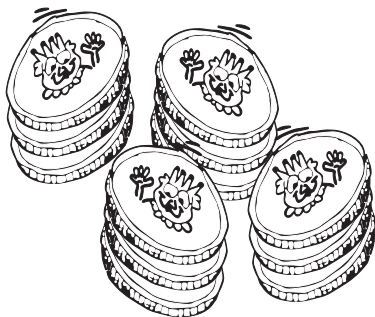


$$2 \times 4 = \dots\dots\dots$$

$$4 \times 2 = \dots\dots\dots$$



$$1 \times 5 = \dots\dots\dots$$



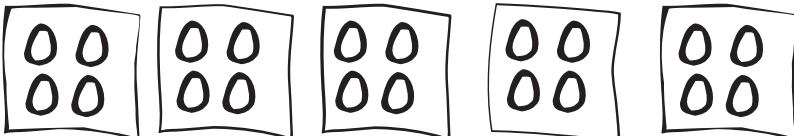
$$5 \times 1 = \dots\dots\dots$$

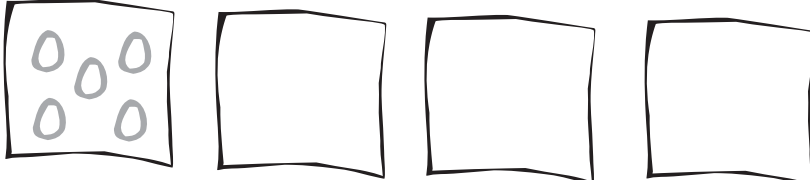
$$4 \times 3 = \dots\dots\dots$$

$$3 \times 4 = \dots\dots\dots$$

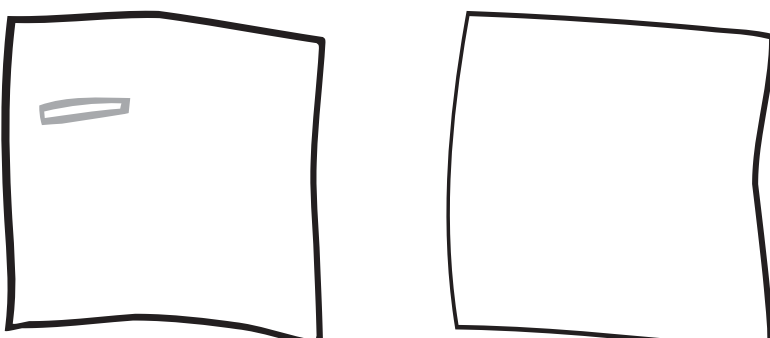
Multiplication Tables

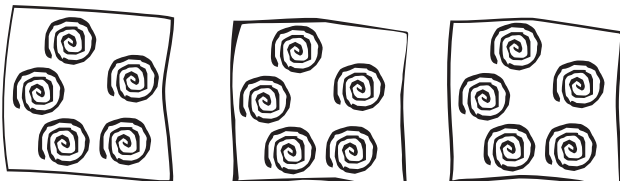
Complete the pictures then write the missing products.

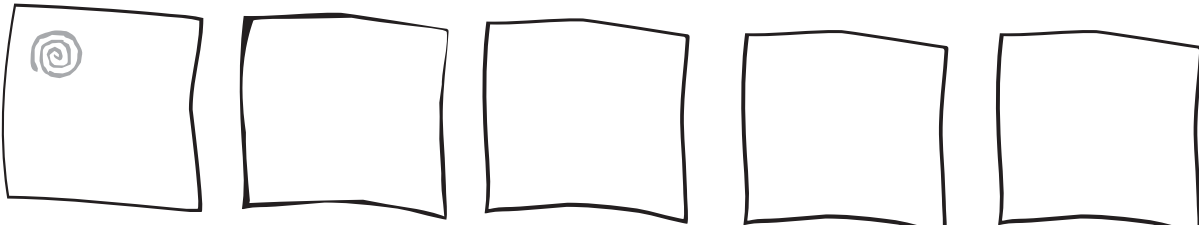
 $5 \times 4 = \dots\dots\dots$

 $4 \times 5 = \dots\dots\dots$



 $6 \times 2 = \dots\dots\dots$
 $2 \times 6 = \dots\dots\dots$

 $3 \times 5 = \dots\dots\dots$

 $5 \times 3 = \dots\dots\dots$

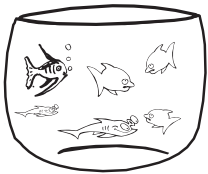
Dividing By Two



4 flowers in a vase.
Divide the flowers into 2 vases.

How many flowers in each vase?

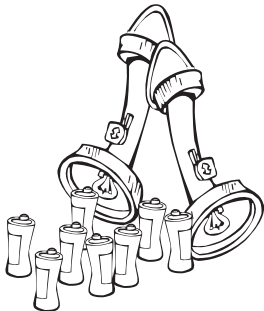
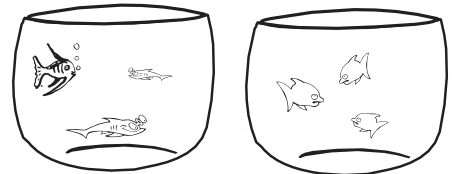
$$4 \div 2 = \dots\dots\dots$$



6 fish in a bowl.
Divide the fish into 2 bowls.

How many fish in each bowl?

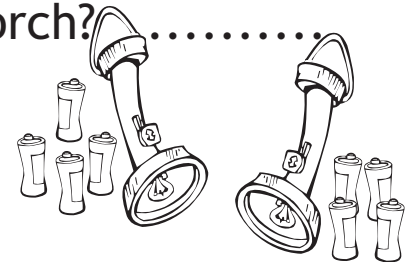
$$6 \div 2 = \dots\dots\dots$$



8 batteries.
Divide the batteries into 2 torches.

How many batteries in each torch?

$$8 \div 2 = \dots\dots\dots$$



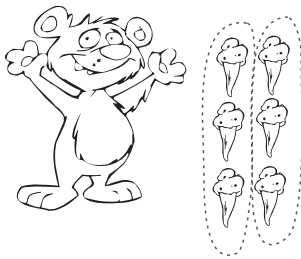
10 coins.
Divide the coins into 2 piles.

How many coins in each pile?

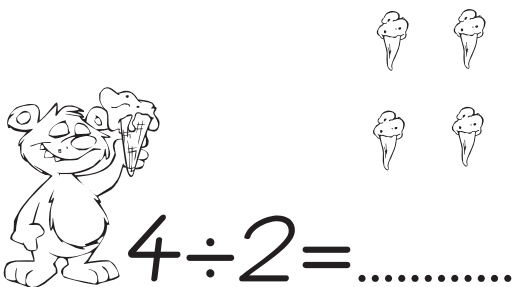
$$10 \div 2 = \dots\dots\dots$$



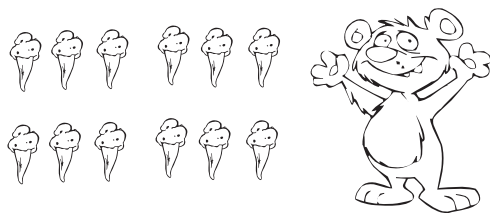
Dividing By Two



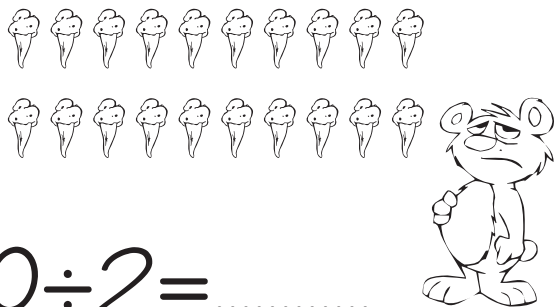
$$6 \div 2 = \dots 3 \dots$$



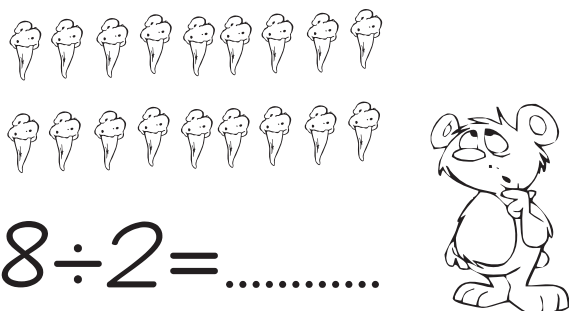
$$4 \div 2 = \dots$$



$$12 \div 2 = \dots$$



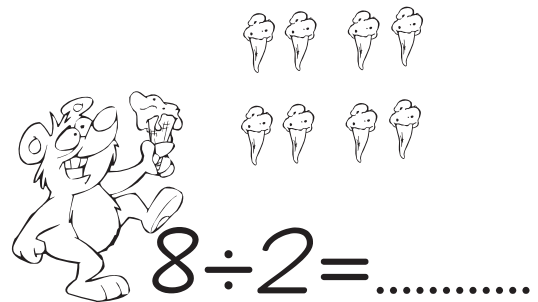
$$20 \div 2 = \dots$$



$$18 \div 2 = \dots$$



$$10 \div 2 = \dots$$



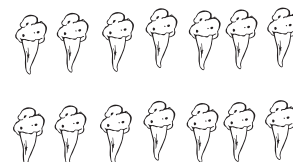
$$8 \div 2 = \dots$$



$$16 \div 2 = \dots$$



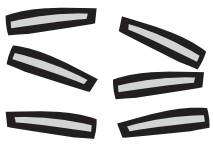
$$2 \div 2 = \dots$$



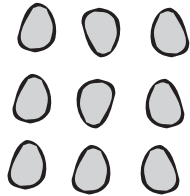
$$14 \div 2 = \dots$$



Dividing By Three and Four



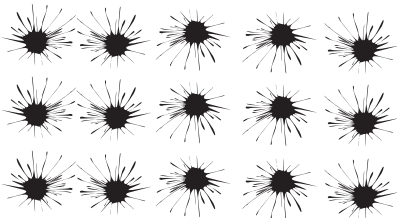
$$6 \div 3 = \dots\dots\dots$$



$$9 \div 3 = \dots\dots\dots$$



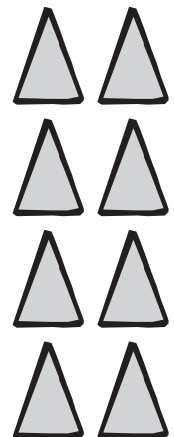
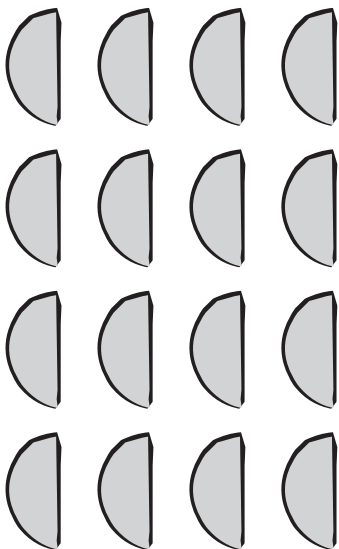
$$12 \div 3 = \dots\dots\dots$$



$$15 \div 3 = \dots\dots\dots$$



$$18 \div 3 = \dots\dots\dots$$



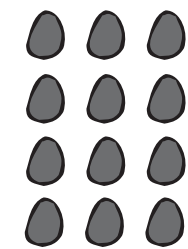
$$12 \div 4 = \dots\dots\dots$$

$$16 \div 4 = \dots\dots\dots$$

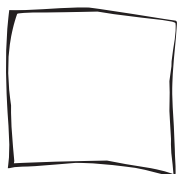
$$8 \div 4 = \dots\dots\dots$$

Dividing By Three and Four

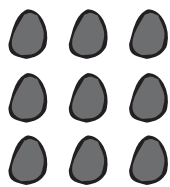
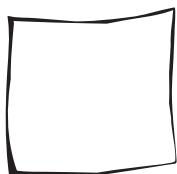
Divide each number by 3.



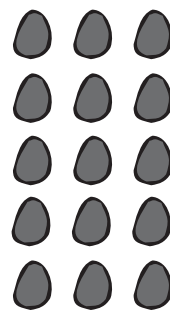
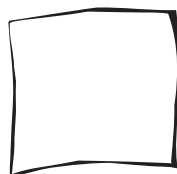
12



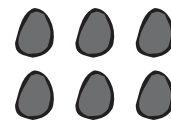
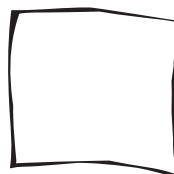
3



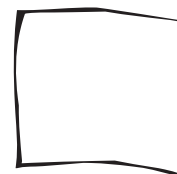
9



15



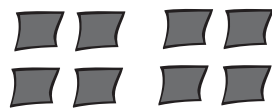
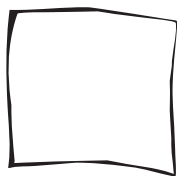
6



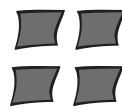
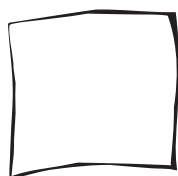
Divide each number by 4.



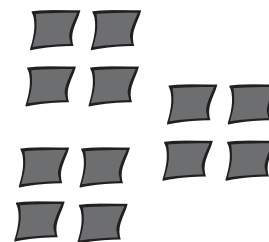
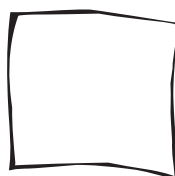
8



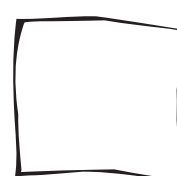
16



4



12



Can you remember these divisions?

$6 \div 3 = \dots\dots\dots$

$12 \div 2 = \dots\dots\dots$

$8 \div 4 = \dots\dots\dots$

$9 \div 3 = \dots\dots\dots$

$10 \div 2 = \dots\dots\dots$

$12 \div 4 = \dots\dots\dots$

Shapes and Patterns

There are 6 triangles. A triangle has 3 sides.
 There are 3 squares. A square has 4 sides.
 All sides of the square are the same length.
 There are 5 rectangles. A rectangle has 4 sides.
 There are 4 pentagons. A pentagon has 5 sides.
 There are 2 hexagons. A hexagon has 6 sides.
 There are 10 octagons. An octagon has 8 sides.
 There are 9 circles. A circle is round.

4

Finding a Match

Colour the same shoes the same colour.

Put a cross through the car that does not match.

Colour as many cups as there are saucers.

Join the pictures to the corresponding number on the number line.

5

Recognising Shapes

A wedge is sliced out of a cake. The top of the wedge is shaped like a triangle.

The top of this bench is shaped like a rectangle.

The top of this stool is shaped like a circle.

The top of your bed is shaped like a rectangle.

The sides of this picture frame are all the same length. Therefore the shape of the picture frame is a square.

The front of this torch is shaped like a circle.

6

Estimating Height

Circle the tallest object in each group.

7

Length

Circle the smallest object in each group.

8

Graphs

Stock at an electrical store. Each picture represents an item held in the store.

Irons: 8
 Kettles: 16
 Mixers: 5
 Phones: 16
 Alarm Clocks: 3
 Radios: 11

How many irons? 8
 The are 16 kettles and 5 mixers.
 The item with the greatest number is kettles (16)
 There are 3 more alarm clocks than radios.
 There are 11 less mixers than kettles.
 The shop buys 5 more radios. How many radios does it have in store now? 12

9

Graphs

Mahobe Farm has all the animals above. Draw a circle to represent each animal.

Turkeys: 00000000
 Cows: 00000
 Sheep: 0000000
 Mice: 0000000000000000
 Horses: 00

Altogether there are 14 horses, cows and sheep.
 There are a total of 38 animals on Mahobe Farm

10

Graphs

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

Meal	Tallies	Totals
Fish		<u>4</u>
Chicken		<u>6</u>
Steak		<u>5</u>
Ham		<u>3</u>

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

11

Combinations

Below are different choices for a meal. You must chose 1 item from each group. Write the different meals that can be chosen.

Group 1	Group 2	Group 3

12

Counting to 20

Match each set with the correct number word.

13

Equal Sets

Draw a line between the sets that contain the same number of objects.

Circle the correct number of objects.

14

Equal Sets

Put a circle around the sets that contain the same number of objects in each group.

Numbers and Number Words

Write the number word beside each number.

15

Comparing Numbers

Write the number of objects in each row. Compare each row and tick (✓) the row that has less items.

16

Comparing Numbers

Write the number of objects in each set. Compare each set and tick (✓) the sets that have the same number of items.

17

Comparing Numbers - Greater and Smaller

Circle the greater number in each set.

Circle the smaller number in each set.

Circle the greatest number and cross (X) the smallest number in each set.

18

Ordinal Numbers

Shade the 6th circle from the right.

Shade the 2nd triangle from the left.

Shade the 5th square.

Shade the 4th rectangle.

Shade the 8th pentagon from the left.

Shade the 10th hexagon from the right.

Shade the 3rd star.

19

Ordinal Numbers

Fill in the blanks below with 1st, 2nd, 3rd, 4th or 5th.

If the square is in 2nd position then the circle is 4th
 and the rectangle is 3rd...

If the triangle is in 1st position then the star is 5th...
 and the rectangle is 5th...

If the circle is in 4th position then the star is 3rd...
 and the triangle is 5th...

Fill in the blanks below with 1st, 2nd, 3rd, 4th, 5th or 6th.

The sheep is 3rd from the left.
 The horse is 5th from the left.
 The cow is 4th from the left and 3rd from the right.
 The turkey is 1st from the right and 6th from the left.

20

Ordinals and Counting

Colour in 6 circles.

Put a tick in the 3rd circle from the left. What is its position from the right? 8.....

How many snails are there? 9.....

Colour in the snail that is 1st and the snail that is 6th.

Find all the apples in the picture and colour them red.

Each card below contains two groups of ice creams. Circle the group on each card that has the most ice creams.

21

Numbers and Their Positions

Use the number line to find the correct numbers.

1. ...16 is one after 15.

2. 12 is one after11

3. ...4 is two before 6.

4. 7 is three before10

5. The numbers on either side of 1 are and 2

6. The numbers on either side of 12 are and 13

7. 19 is two after 17

8. Continue the sequence 10, 9, 8 7, 6, 5

9. Continue the sequence 0, 2, 4, 6, 8, 10

10. Continue the sequence 1, 3, 5, 7, 9, 11

Colour the numbers greater than 7 red.

Colour the numbers less than 7 blue.

Red numbers shaded, blue unshaded

22

In Order

Write the numbers in order, then answer the questions.

20 0 17 10
4 9 6 13 18

The biggest number is20
The smallest number is0
The odd numbers are9, 13, 17
The even numbers are0, 4, 6, 10, 18, 20

Complete the patterns

23

Greater or Less Than

In the circle put a greater than (>) or less than (<) sign. (The sign always points towards the smaller number.)

Put a circle through all the numbers less than 15. Put a cross through all the numbers greater than 12.

24

Numbers and Number Sequences

Complete the numbers in the number line.

Count the cherries.

There were 12 beads on each piece of string. Some beads have fallen off. Write a subtraction sum for each.

25

Adding and Subtracting

There were 12 beads on each piece of string. Some beads have fallen off. Write a subtraction sum for each.

Complete the numbers in the number line.

Left Right

Use the number line to show where you end up if:

- from 9, you move 3 to the left.6
- from 3, you move 2 to the right.5
- from 7, you move 5 to the left.2
- from 2, you move 8 to the right.10
- from 6, you move 6 to the left.0
- from 5, you move 4 to the right.9

Write an addition sum for the number of pens and pencils.

26

Adding

Add 2 to these numbers.

- 9+2=...11... 15+2=...17...
7+2=...9... 10+2=...12...
14+2=...16... 9+2=...11...
18+2=...20... 12+2=...14...
5+2=...7... 17+2=...19...

Complete these addition strips.

27

Adding

Complete these additions.

- 7+4=...11... 9+3=...12...
12+4=...16... 16+2=...18...
11+3=...14... 14+5=...19...
13+4=...17... 18+2=...20...
15+4=...19... 13+2=...15...

Complete these addition strips.

28

Adding

Complete these additions.

- 9+4=...13... 14+5=...19...
8+4=...12... 12+6=...18...
11+5=...16... 13+4=...17...
10+6=...16... 12+7=...19...
15+5=...20... 14+6=...20...

Write down the total of the numbers on each pair of cards.

29

Adding

Each pair of cards should sum to total 20. Write down the missing numbers.

Complete these additions.

- 6+8=...14... 8+8=...16...
9+9=...18... 10+7=...17...
11+7=...18... 8+7=...15...
5+5=...10... 13+6=...19...
7+8=...15... 8+5=...13...

30

Adding

Draw spots on the blank cards to make the totals.

 $6 + 6 = \square = 12$
 $1 + 9 = \square = 10$
 $6 + 9 = \square = 15$
 $6 + 8 = \square = 14$
 $6 + 5 = \square = 11$
 $6 + 7 = \square = 13$

Complete these additions.

 $7 + 5 = 12$ $18 + 1 = 19$
 $9 + 8 = 17$ $13 + 7 = 20$
 $6 + 7 = 13$ $10 + 8 = 18$
 $5 + 9 = 14$ $12 + 5 = 17$
 $2 + 2 = 4$ $4 + 11 = 15$

31

Addition

The following pyramids are formed by adding each of the numbers in the blocks below it. Therefore

Complete these pyramids.

Complete these additions.

 $5 + 3 = 8$ $7 + 8 = 15$
 $3 + 9 = 12$ $4 + 5 = 9$
 $14 + 4 = 18$ $12 + 7 = 19$
 $9 + 7 = 16$ $2 + 11 = 13$

32

Arithmetic

Use the number line to show where you end up if:

- from 14, you move 2 to the left. $14 - 2 = 12$
- from 17, you move 2 to the right. $17 + 2 = 19$
- from 16, you move 5 to the left. $16 - 5 = 11$
- from 8, you move 8 to the right. $8 + 8 = 16$
- from 19, you move 6 to the left. $19 - 6 = 13$
- from 11, you move 4 to the right. $11 + 4 = 15$

Complete the additions by writing in the missing numbers.

 $1 + \square = 5$ $4 + \square = 7$
 $\square + 3 = 13$ $\square + 2 = 15$
 $6 + \square = 12$ $11 + \square = 16$
 $\square + 4 = 10$ $\square + 4 = 18$

33

Subtraction

Complete these subtractions.

 $9 - 2 = 7$ $15 - 2 = 13$
 $7 - 2 = 5$ $10 - 2 = 8$
 $14 - 2 = 12$ $9 - 2 = 7$
 $18 - 2 = 16$ $12 - 2 = 10$
 $5 - 2 = 3$ $17 - 2 = 15$

Complete these subtraction strips.

subtract	10	5	13	9	6	16	8	17	12
3	7	2	10	6	3	13	5	14	9

subtract	12	7	14	10	16	11	9	13	15
4	8	3	10	6	12	7	5	9	11

34

Subtraction

Complete these subtractions.

 $15 - 3 = 12$ $17 - 3 = 14$
 $13 - 4 = 9$ $12 - 2 = 10$
 $16 - 5 = 11$ $9 - 5 = 4$
 $14 - 4 = 10$ $18 - 2 = 16$
 $11 - 5 = 6$ $10 - 3 = 7$

Complete these subtraction strips.

subtract	10	5	13	9	6	14	8	11	12
5	5	0	8	4	1	9	3	6	7

subtract	12	7	14	10	16	11	9	13	15
6	6	1	8	4	10	5	3	7	9

35

Subtraction

Complete these subtractions.

 $13 - 6 = 7$ $15 - 5 = 10$
 $10 - 4 = 6$ $12 - 6 = 6$
 $14 - 5 = 9$ $18 - 4 = 14$
 $19 - 6 = 13$ $16 - 5 = 11$
 $17 - 5 = 12$ $11 - 6 = 5$

Subtract the smaller number from the bigger. The answer is called the difference.

36

Subtraction

The difference between each pair of cards should be 10. Write down the missing numbers.

Complete these subtractions.

 $12 - 5 = 7$ $8 - 8 = 0$
 $19 - 6 = 13$ $11 - 7 = 4$
 $16 - 7 = 9$ $18 - 5 = 13$
 $15 - 8 = 7$ $13 - 6 = 7$
 $20 - 5 = 15$ $14 - 8 = 6$

37

Subtraction

Write the difference between the heights of each pair of blocks.

Complete the subtractions by writing in the missing numbers.

 $10 - \square = 5$ $14 - \square = 8$
 $\square - 2 = 13$ $\square - 3 = 15$
 $16 - \square = 12$ $11 - \square = 10$
 $\square - 4 = 10$ $20 - \square = 18$

38

Subtraction

Draw spots on the cards to make these totals.


 $6 + 6 = \square = 12$
 $6 + 2 = \square = 8$
 $6 + 3 = \square = 9$
 $6 + 5 = \square = 11$
 $6 + 7 = \square = 13$
 $6 + 8 = \square = 14$

Complete these sums by writing in the missing sign.

 $5 \square + 7 = 12$ $5 \square - 3 = 2$
 $12 \square - 2 = 10$ $2 \square + 5 = 7$
 $10 \square - 5 = 5$ $8 \square - 4 = 4$
 $7 \square + 4 = 11$ $4 \square + 6 = 10$


39

Describing Groups of Objects




 ...2... rows of ...5...

 Total = ...10...




 ...5... rows of ...3...

 Total = ...15...




 ...1... row of ...7...

 Total = ...7...




 ...3... rows of ...3...

 Total = ...9...




 ...2... rows of ...9...

 Total = ...18...



 ...4... rows of ...5...

 Total = ...20...




 ...3... rows of ...6...

 Total = ...18...


40

Describing Groups of Objects




 ...2... rows of ...6...

 Total = ...12...




 ...3... rows of ...4...

 Total = ...12...



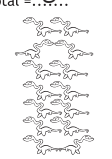
 ...4... rows of ...2...

 Total = ...8...




 ...3... rows of ...5...

 Total = ...15...



 ...7... rows of ...2...

 Total = ...14...



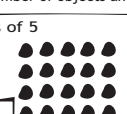
 ...4... rows of ...4...

 Total = ...16...

41

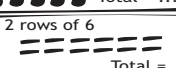
Describing Groups of Objects

Draw the correct number of objects and give the totals.



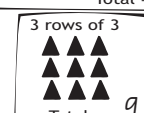
 4 rows of 5

 Total = ...20...



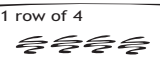
 2 rows of 6

 Total = ...12...



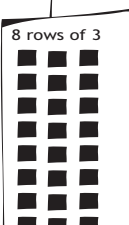
 3 rows of 3

 Total = ...9...




 1 row of 4

 Total = ...4...



 8 rows of 3

 Total = ...24...



 2 rows of 9

 Total = ...18...

42

Multiplication Tables

Write in the missing numbers.

1 kiwi feet $1 \times 2 = 2$

2 kiwis feet $2 \times 2 = 4$

3 kiwis feet $3 \times 2 = 6$

4 kiwis feet $4 \times 2 = 8$

5 kiwis feet $5 \times 2 = 10$

6 kiwis feet $6 \times 2 = 12$

7 kiwis feet $7 \times 2 = 14$

8 kiwis feet $8 \times 2 = 16$

9 kiwis feet $9 \times 2 = 18$

10 kiwis feet $10 \times 2 = 20$

43

Multiplication Tables

2 bicycles.
2 wheels on each bicycle.

How many wheels? ...4... $2 \times 2 = 4$

3 cakes.
2 candles on each cake.

How many candles? ...6... $3 \times 2 = 6$

4 fish bowls.
2 fish in each bowl.

How many fish? ...8... $4 \times 2 = 8$

5 bucket and spade sets.
2 spades in each set.

How many spades? ...10... $5 \times 2 = 10$

6 frying pans.
2 eggs in each pan.

How many eggs? ...12... $6 \times 2 = 12$

44

Multiplication Tables

The grasshopper jumps along the number in 2's. Write in the boxes all the numbers that the grasshopper lands on.

0 2 4 6 8 10 12 14 16 18 20

$1 \times 2 = 2$
 $2 \times 2 = 4$
 $3 \times 2 = 6$

$4 \times 2 = 8$
 $5 \times 2 = 10$
 $6 \times 2 = 12$

$7 \times 2 = 14$
 $8 \times 2 = 16$

9 hens.
Each hen had 2 eggs.

How many eggs? ...18... $9 \times 2 = 18$

10 bunches of cherries.
2 cherries on each bunch.

How many cherries? ...20... $10 \times 2 = 20$

45

Multiplication Tables

2 bowls of fish.
3 fish in each bowl.

How many fish? ...6... $2 \times 3 = 6$

3 sets of darts.
3 darts in each set.

How many darts? ...9... $3 \times 3 = 9$

4 tribes of monsters.
3 monsters in each tribe.

How many monsters? ...12... $4 \times 3 = 12$

5 plates of cherries.
3 cherries on each plate.

How many cherries? ...15... $5 \times 3 = 15$

6 bunches of bananas.
3 bananas in each bunch.

How many bananas? ...18... $6 \times 3 = 18$

46

Multiplication Tables

2 tricycles.
3 wheels on each tricycle.

How many wheels? ...6... $2 \times 3 = 6$

3 stools.
3 legs on each stool.

How many legs? ...9... $3 \times 3 = 9$

4 key rings rings.
3 keys on each ring.

How many keys? ...12... $4 \times 3 = 12$

5 cakes.
3 candles on each cake.

How many candles? ...15... $5 \times 3 = 15$

6 families of penguins.
3 penguins in each family.

How many penguins? ...18... $6 \times 3 = 18$

47

Multiplication Tables

The bee flies along the number line and lands on every 3rd number. Write in the boxes all the numbers that the bee lands on.

0 3 6 9 12 15 18 21

$1 \times 3 = 3$
 $2 \times 3 = 6$
 $3 \times 3 = 9$

$4 \times 3 = 12$
 $5 \times 3 = 15$
 $6 \times 3 = 18$

$7 \times 3 = 21$

1 stool legs

2 stools legs

3 stools legs

4 stools legs

5 stools legs

6 stools legs

7 stools legs

48

Multiplication Tables

2 piles of coins.
4 coins in each pile.
How many coins? $2 \times 4 = 8$

3 vases of flowers.
4 flowers in each vase.
How many flowers? $3 \times 4 = 12$

4 penguin families.
4 penguins in each family.
How many penguins? $4 \times 4 = 16$

5 mother hens.
4 chicks with each hen.
How many chicks? $5 \times 4 = 20$

Cover up all your answers and try to remember the answers to these multiplications.

$2 \times 4 = 8$
 $3 \times 4 = 12$
 $4 \times 4 = 16$
 $5 \times 4 = 20$

49

Multiplication Tables

3 sets of keys.
4 keys in each set.
How many keys? $3 \times 4 = 12$

5 torches.
4 batteries for each torch.
How many batteries? $5 \times 4 = 20$

1 table.
How many legs on the table? $1 \times 4 = 4$

4 piles of coins.
4 coins in each pile.
How many coins? $4 \times 4 = 16$

2 bowls fish.
4 fish in each bowl.
How many fish? $2 \times 4 = 8$

50

Multiplication Tables

Hoppy the rabbit jumps along the number line and lands on every 4th number. Write in the boxes all the numbers that Hoppy lands on.

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

0 4 8 12 16 20

$1 \times 4 = 4$ $2 \times 4 = 8$ $3 \times 4 = 12$

$4 \times 4 = 16$ $5 \times 4 = 20$

1 table 4 legs 2 tables 8 legs 3 tables 12 legs 4 tables 16 legs 5 tables 20 legs

51

Multiplication Tables

Write in the missing products.

$2 \times 3 = 6$

$3 \times 2 = 6$

$4 \times 2 = 8$

$2 \times 4 = 8$

$1 \times 5 = 5$

$5 \times 1 = 5$

$4 \times 3 = 12$

$3 \times 4 = 12$

52

Multiplication Tables

Complete the pictures then write the missing products.

$5 \times 4 = 20$

$4 \times 5 = 20$

$6 \times 2 = 12$

$2 \times 6 = 12$

$3 \times 5 = 15$

$5 \times 3 = 15$

53

Dividing By Two

4 flowers in a vase.
Divide the flowers into 2 vases.
How many flowers in each vase? $4 \div 2 = 2$

6 fish in a bowl.
Divide the fish into 2 bowls.
How many fish in each bowl? $6 \div 2 = 3$

8 batteries.
Divide the batteries into 2 torches.
How many batteries in each torch? $8 \div 2 = 4$

10 coins.
Divide the coins into 2 piles.
How many coins in each pile? $10 \div 2 = 5$

54

Dividing By Two

$6 \div 2 = 3$

$8 \div 2 = 4$

$4 \div 2 = 2$

$12 \div 2 = 6$

$16 \div 2 = 8$

$20 \div 2 = 10$

$2 \div 2 = 1$

$18 \div 2 = 9$

$14 \div 2 = 7$

55

Dividing By Three and Four

$6 \div 3 = 2$

$9 \div 3 = 3$

$12 \div 3 = 4$

$15 \div 3 = 5$

$18 \div 3 = 6$

$16 \div 4 = 4$

$12 \div 4 = 3$

$8 \div 4 = 2$

56

Dividing By Three and Four

Divide each number by 3.

$12 \div 3 = 4$ $3 \div 3 = 1$ $9 \div 3 = 3$ $15 \div 3 = 5$ $6 \div 3 = 2$

Divide each number by 4.

$8 \div 4 = 2$ $16 \div 4 = 4$ $4 \div 4 = 1$ $12 \div 4 = 3$

Can you remember these divisions?

$6 \div 3 = 2$ $12 \div 2 = 6$
 $8 \div 4 = 2$ $9 \div 3 = 3$
 $10 \div 2 = 5$ $12 \div 4 = 3$

57

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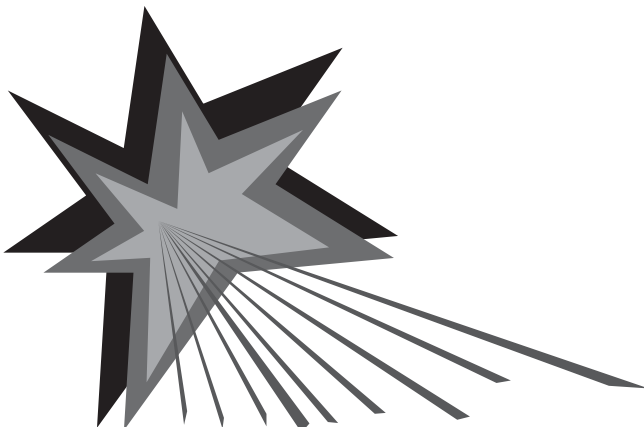
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