

Mighty Math

for 5-7 year olds

Developing Mathematician

BOOK 1



LET'S LOOK AT
NUMBERS

Kim Freeman

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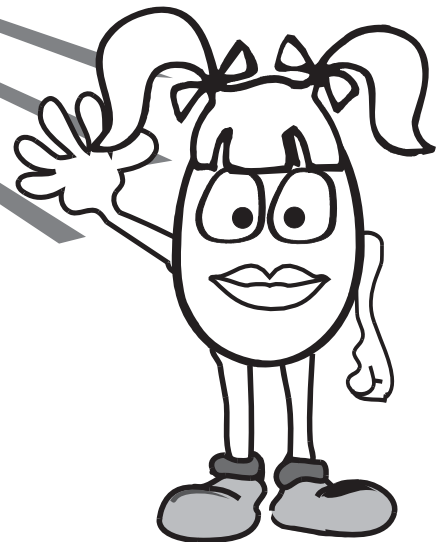
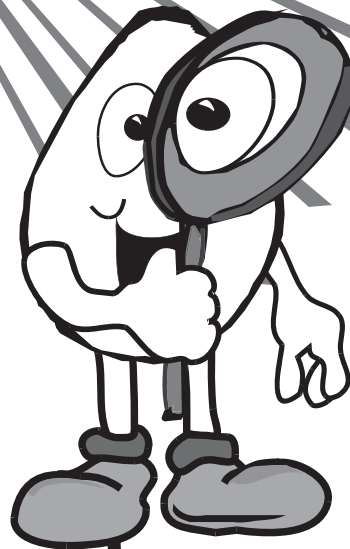
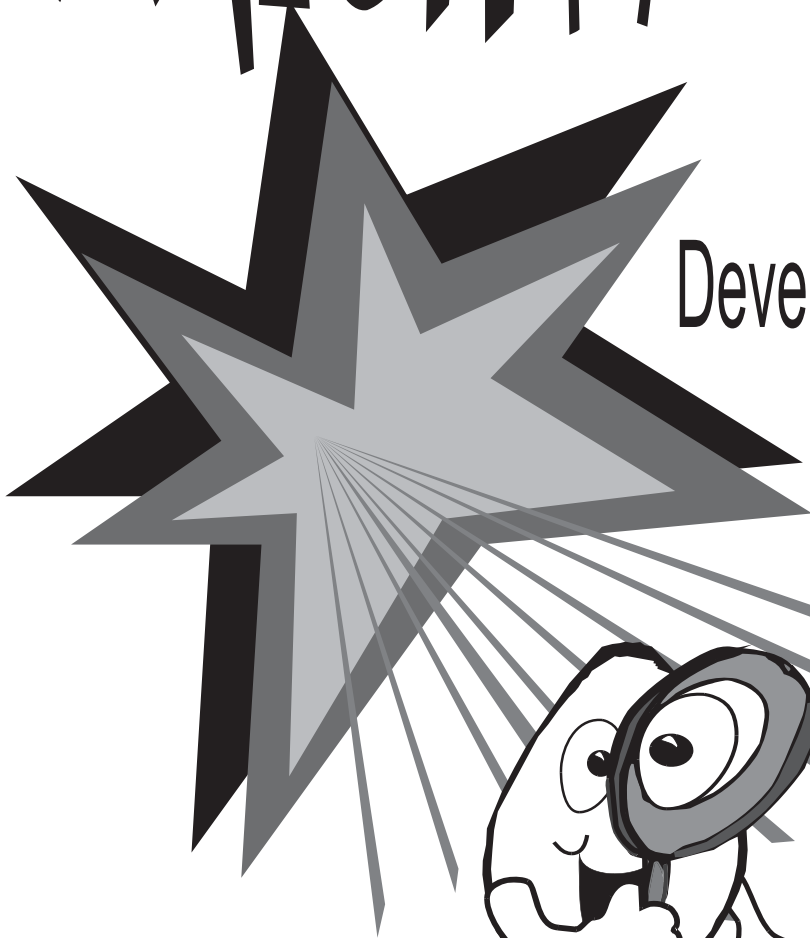
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HOW CAN YOU HELP YOUR CHILD IN MATHEMATICS?

To help reinforce mathematical skills as well as to maintain motivation, the same type of question needs to be asked in different ways and contexts. The work being attempted must also be progressively more challenging.

HOW CAN I MOTIVATE MY CHILD?

As a parent, you are your child's first and most influential teacher. Enthusiastic parents produce enthusiastic children. It is more fun to do any activity when parents or older sisters and brothers are keen to take part.

HOW CAN I MAKE THE BEST USE OF THIS BOOK?

Book 1 reinforces the work covered in the red SERIES ONE of the Mighty Maths books (Beginner Mathematician). It compares smaller and bigger numbers and provides practice for the writing of number words.

- Choose a time when your child is alert and eager to learn.
- Sit down and explain each of the concepts.
- Reinforce concepts in the book by putting a number of objects into groups and then adding or subtracting objects. Practise writing and spelling number words.

WHAT HAPPENS IF MY CHILD DOES NOT GET THE ANSWERS CORRECT?

Mistakes provide wonderful learning opportunities. Don't worry! Go over the pages, praise what has been done right and talk about what has gone wrong. Rub out their answers then 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.

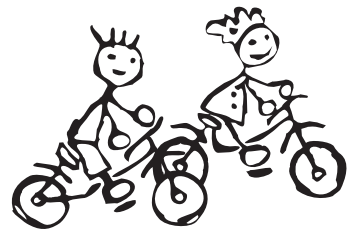
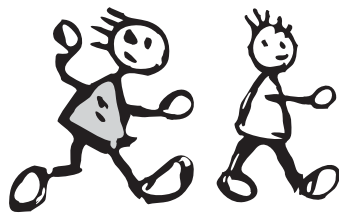
HOW LONG SHOULD MY CHILD SPEND ON MATHEMATICS?

Children often work for 10 - 15 minutes on one activity then move onto something completely different. If a child works for 15 minutes (2 - 4 pages) a day, they are completing nearly 2 hours extra work per week and over 90 hours per year. This is extra to their regular school lessons and sets a pattern for later years.

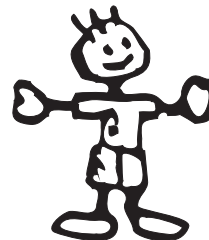
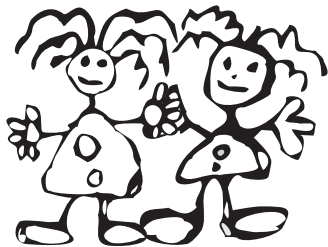
Most children will need to be encouraged to start an activity, however do not force them. Help them start by reading through and explaining any instructions. Reward their efforts with more encouragement. Above all, instill an enjoyment of mathematics and its challenges. Success and confidence in any subject inevitably lead to an enjoyment of learning. 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's In This Book?

In this book you look at:

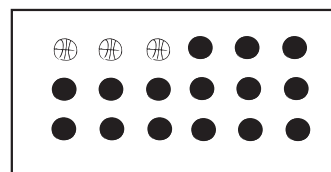


- Positions - left, right, top, bottom and 1st, 2nd, 3rd



- Even and odd numbers.

- Arithmetic.



$$3 + 15 = 18$$

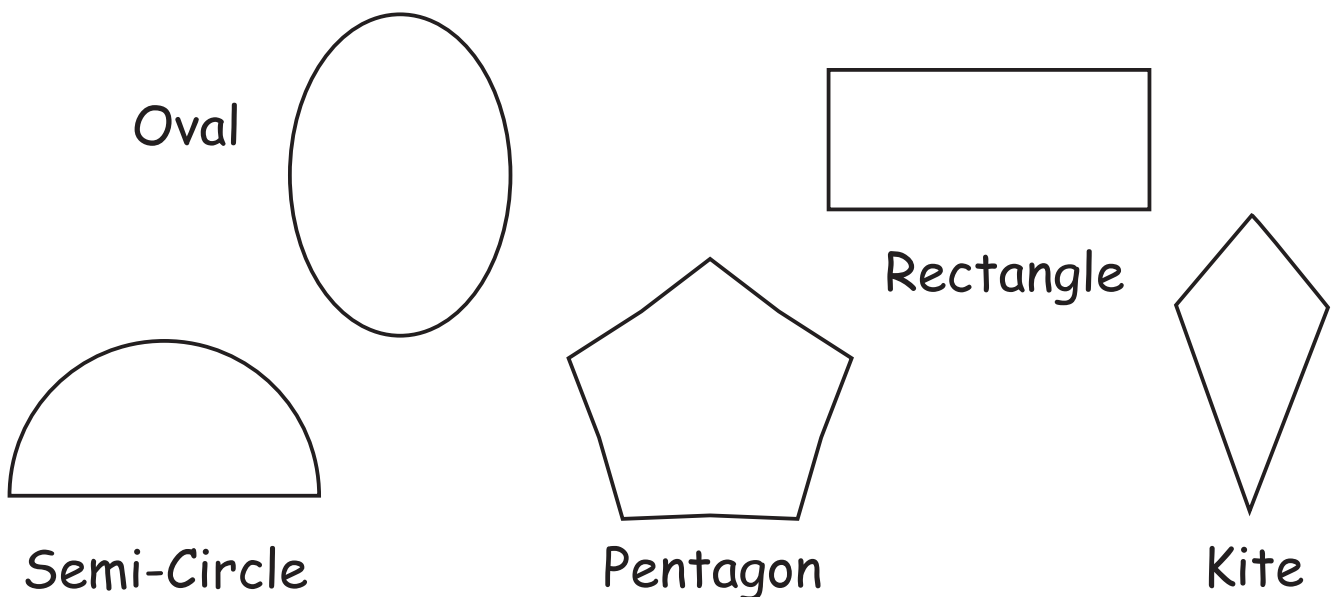
- Different ways of representing the same number.

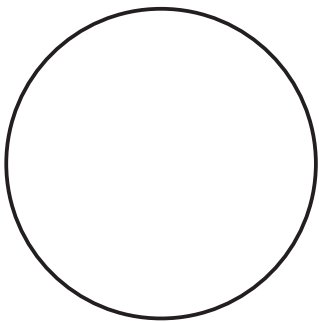
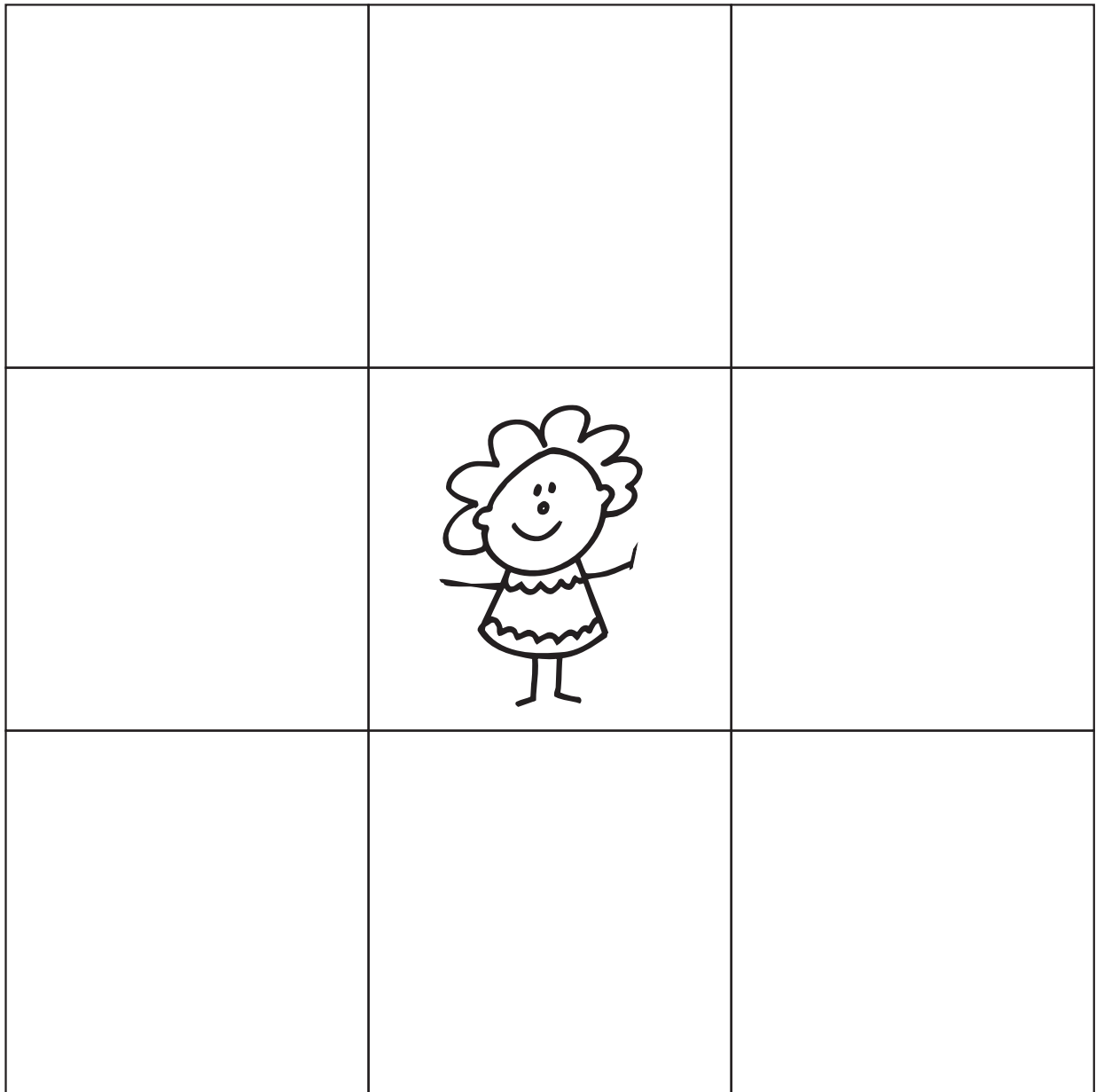


Recognising positions.

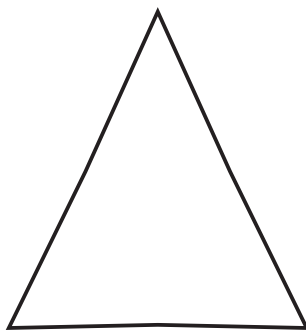
Draw these shapes on the next page in the positions indicated.

1. Draw a square in the box below the girl.
2. Draw a triangle in the box on the left of the girl.
3. Draw a semi-circle in the box on the right of the girl.
4. Draw an oval in the box on top of the girl.
5. Draw a kite in the box on the right of the square.
6. Draw a circle in the box on top of the triangle.
7. Draw a pentagon in the box on the right of the oval.
8. Draw a rectangle in the box to the left of the square.

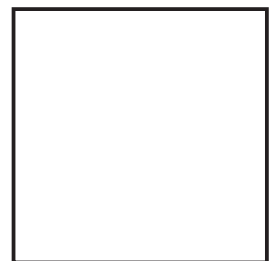




Circle

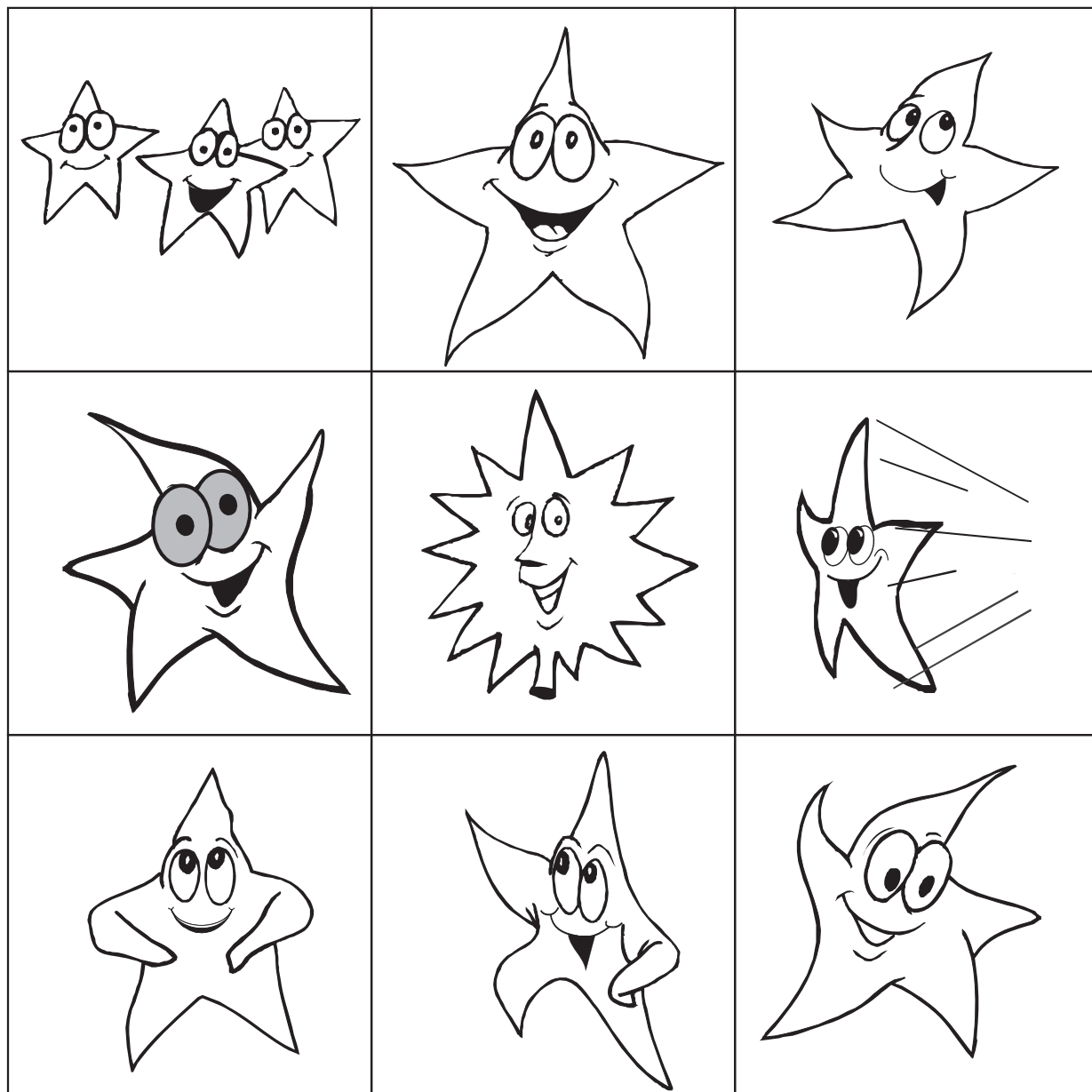


Triangle

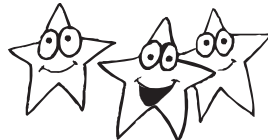



Square

Recognising and writing positions.



Use the words: above, below, left or right.

 are on the of 

 is 

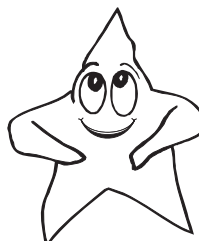

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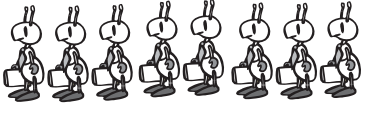
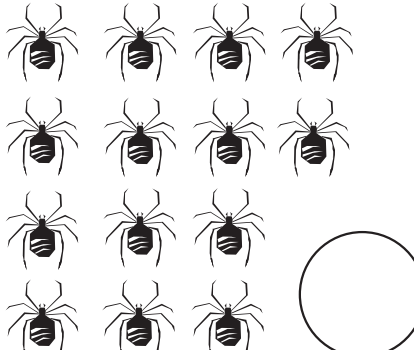
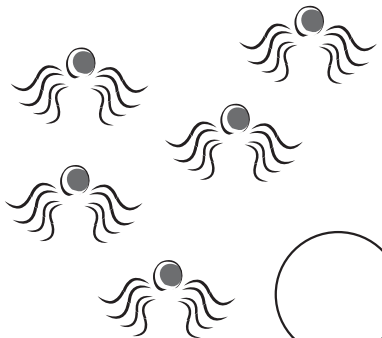
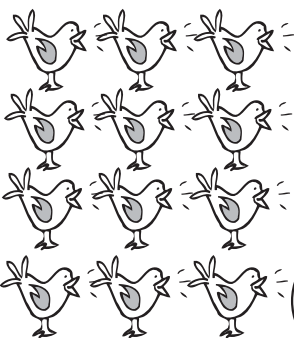
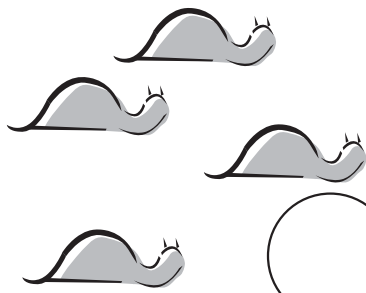
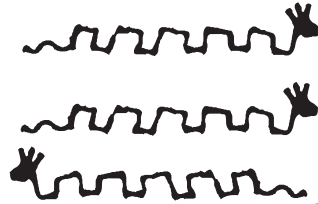

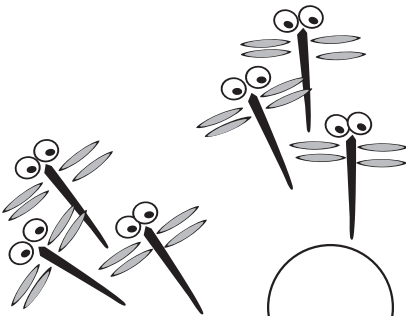
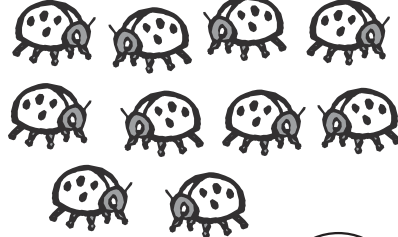


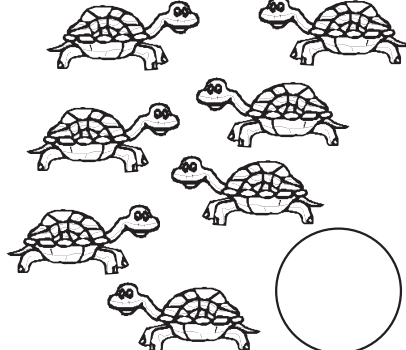
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How many animals are in each box?

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 <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"/>

How many objects?
Write the number and the word.



Number

Word

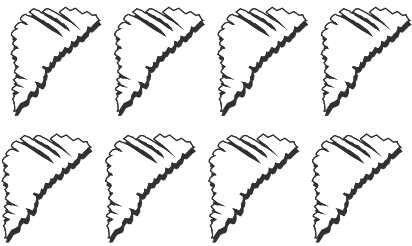
2 two



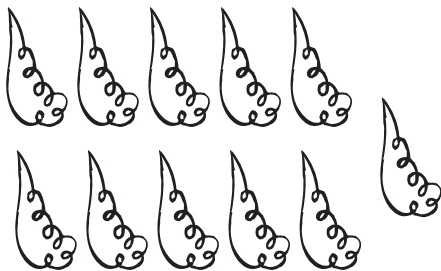
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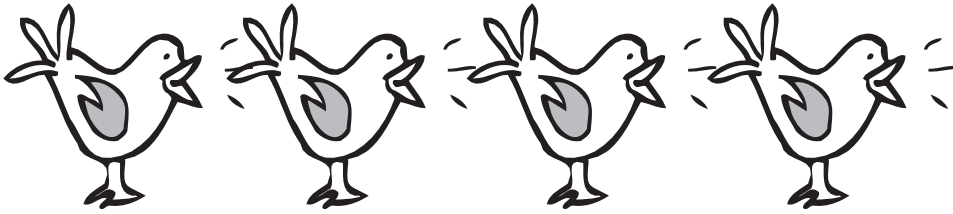
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How many?

Write the number and the number word.



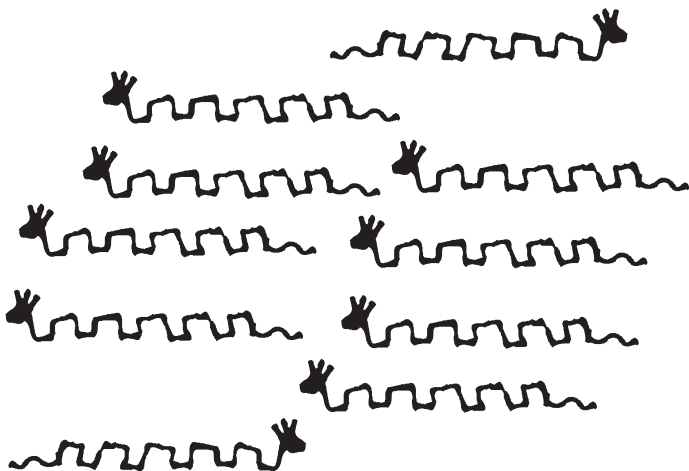
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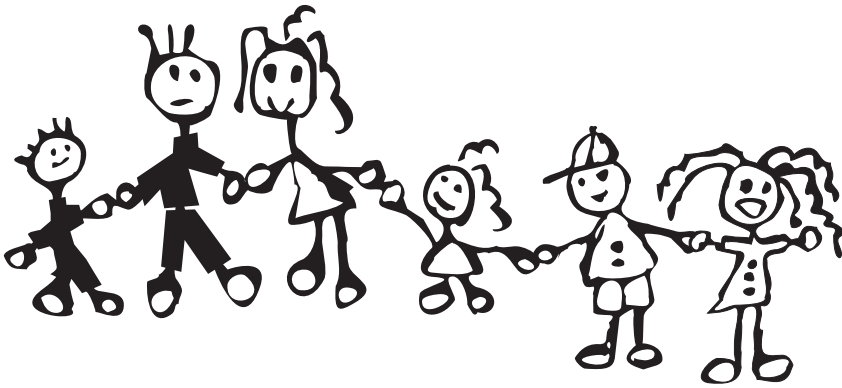


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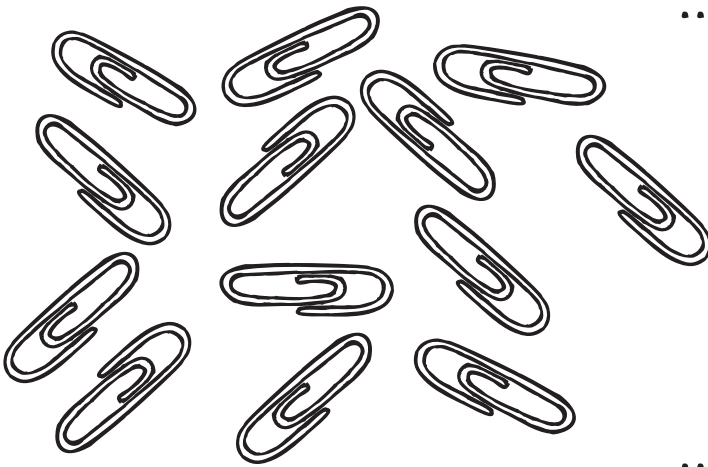


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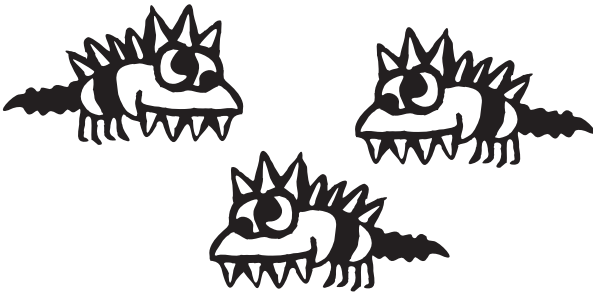
How many?
Write the number and the word.



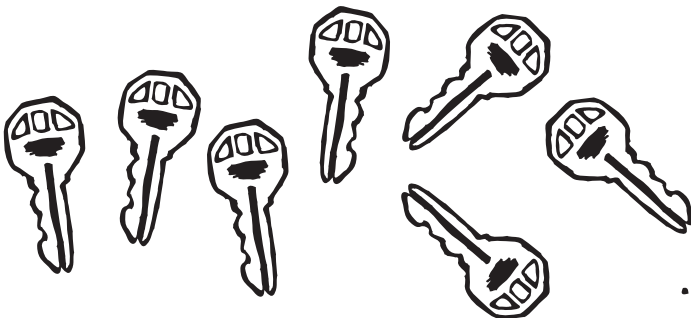
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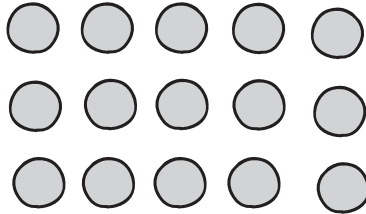
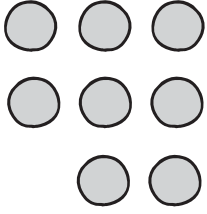
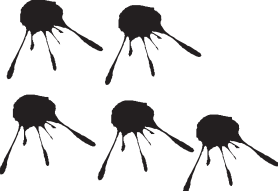
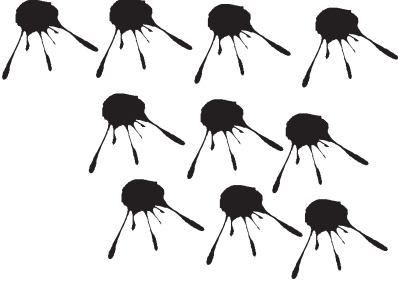

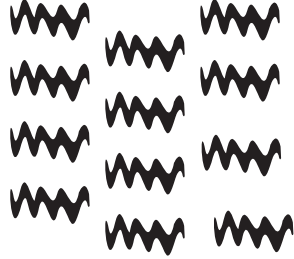
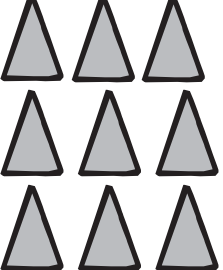
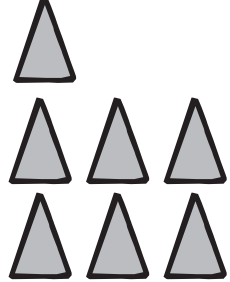


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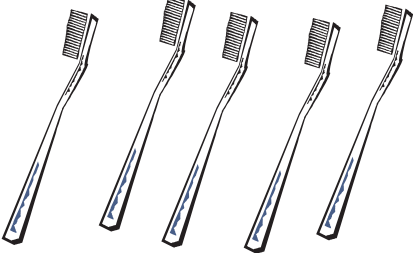


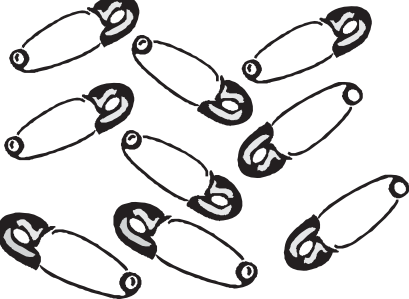
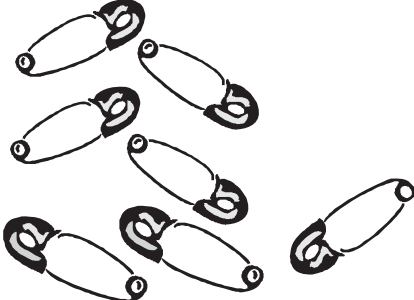


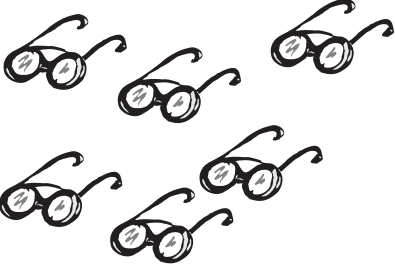



.....

How many objects?
Circle the number which is larger.





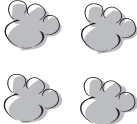
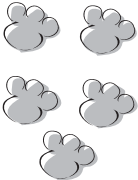




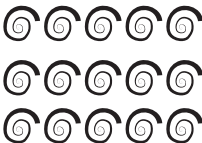

 	 
	
	
	
	

How many objects?
Circle the number which is smaller.

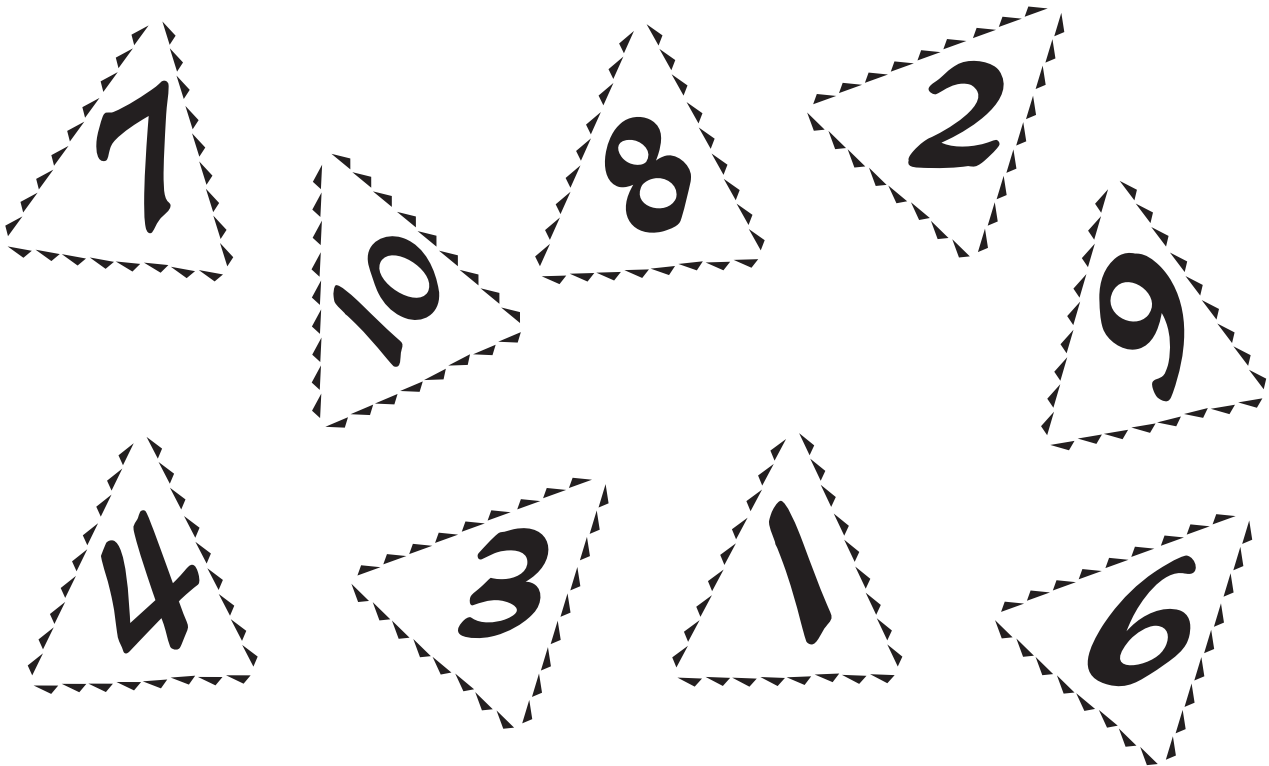
	
	
	
	
	

Write the number of objects.
 In the circle put a greater than sign (>) or the less than sign (<).

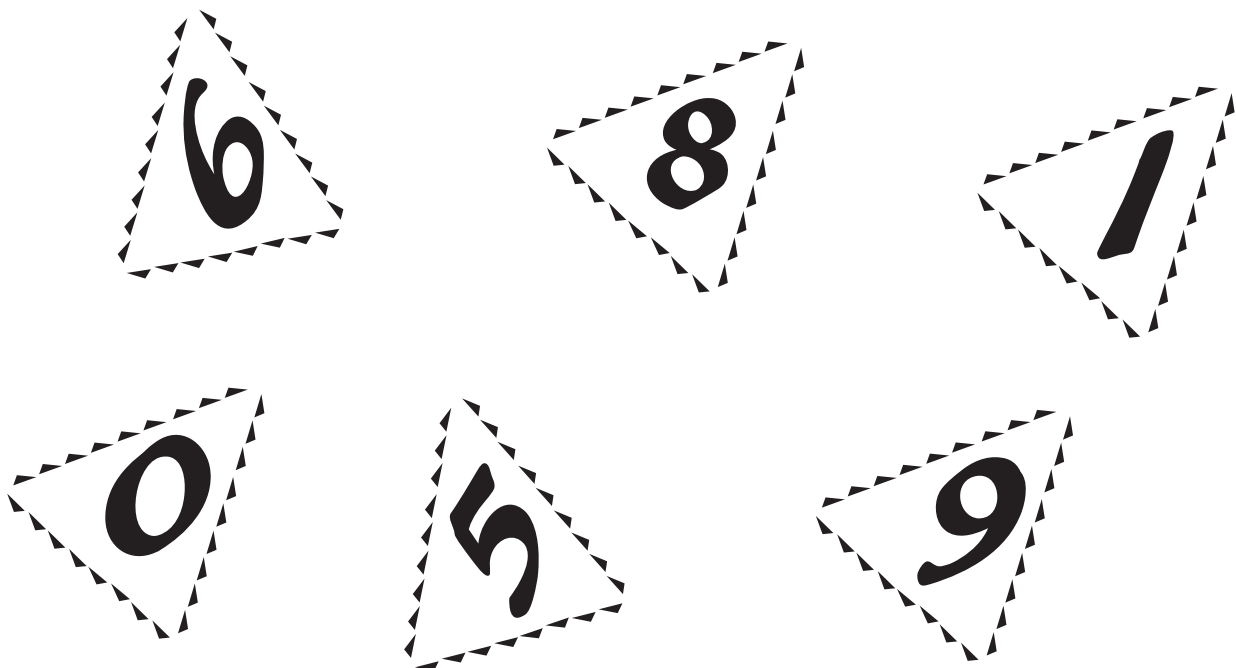
(The sign always points toward the smaller number.)

 3 > 1 	 2 < 3 
 <input type="text"/>	 <input type="text"/>
 <input type="text"/>	 <input type="text"/>
 <input type="text"/>	 <input type="text"/>
 <input type="text"/>	 <input type="text"/>

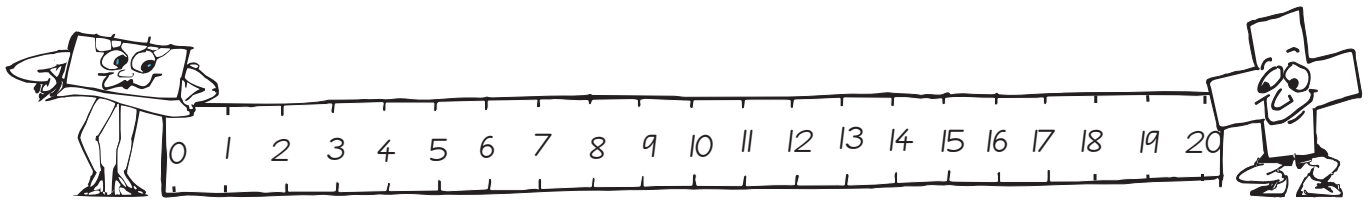
Color the numbers greater than 5.



Color the numbers less than 7.



Use the number line to find the correct numbers.



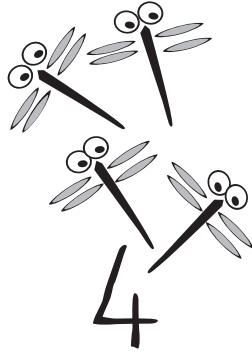
1. is one before 9.
2. 12 is one before
3. 8 is two after
4. is three after 12.
5. The numbers on either side of 15 areand
6. 19 is one after
7. 7 is three before
8. The numbers on either side of 10 are and
9. Continue the sequence: 8, 9, and
10. Continue the sequence 16, 14, 12, and

Even And Odd Numbers.

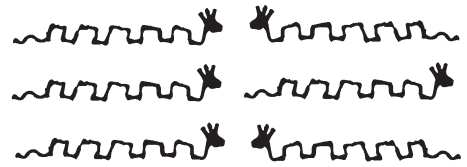
EVEN NUMBERS - all the figures have partners.



2



4

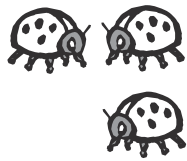


6

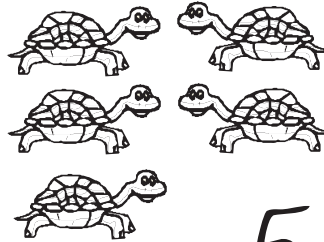
ODD NUMBERS - all the figures have 1 left over.



1



3



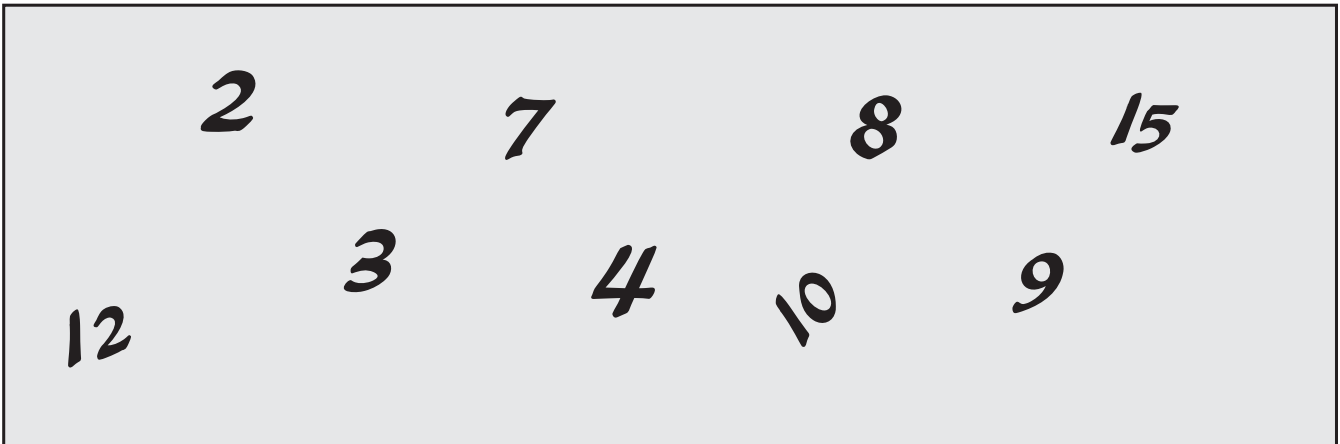
5

Circle the even numbers.

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

All the circled numbers are even. This means that the numbers not circled must be

Use the numbers below.



The biggest number is

The smallest number is

The odd numbers are

The even numbers are

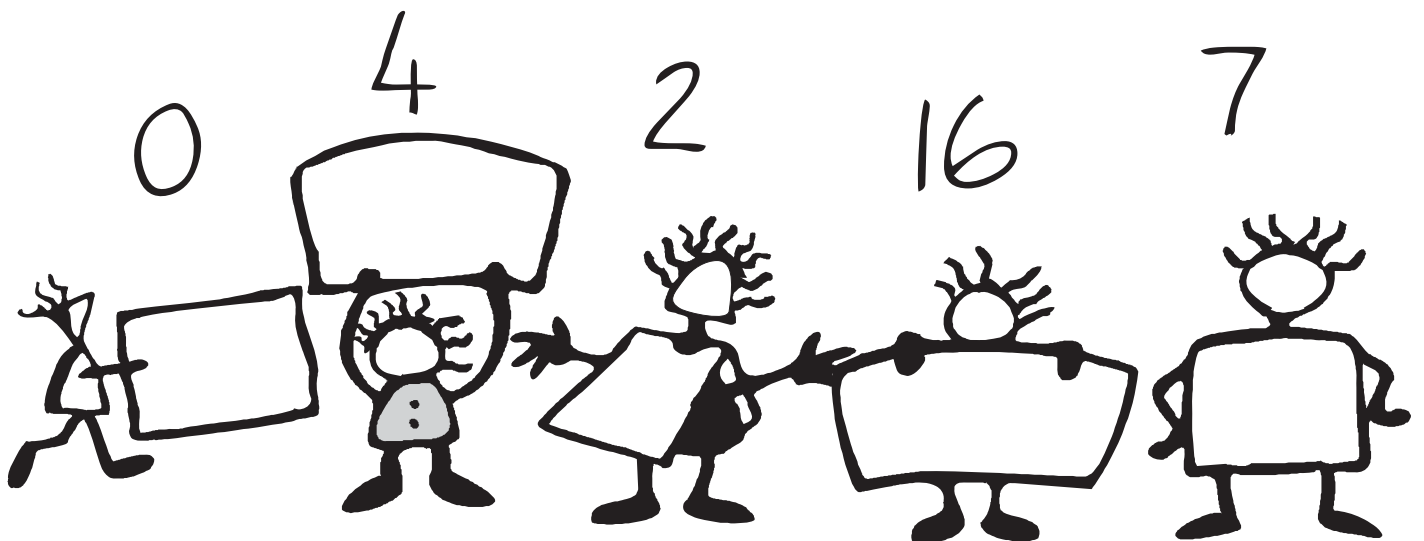
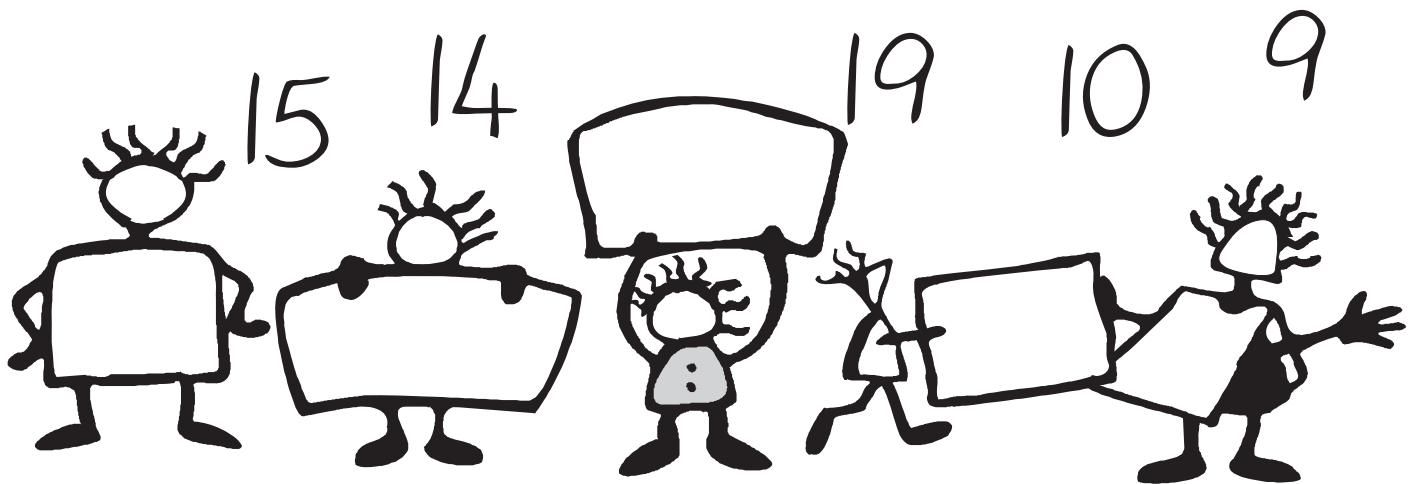
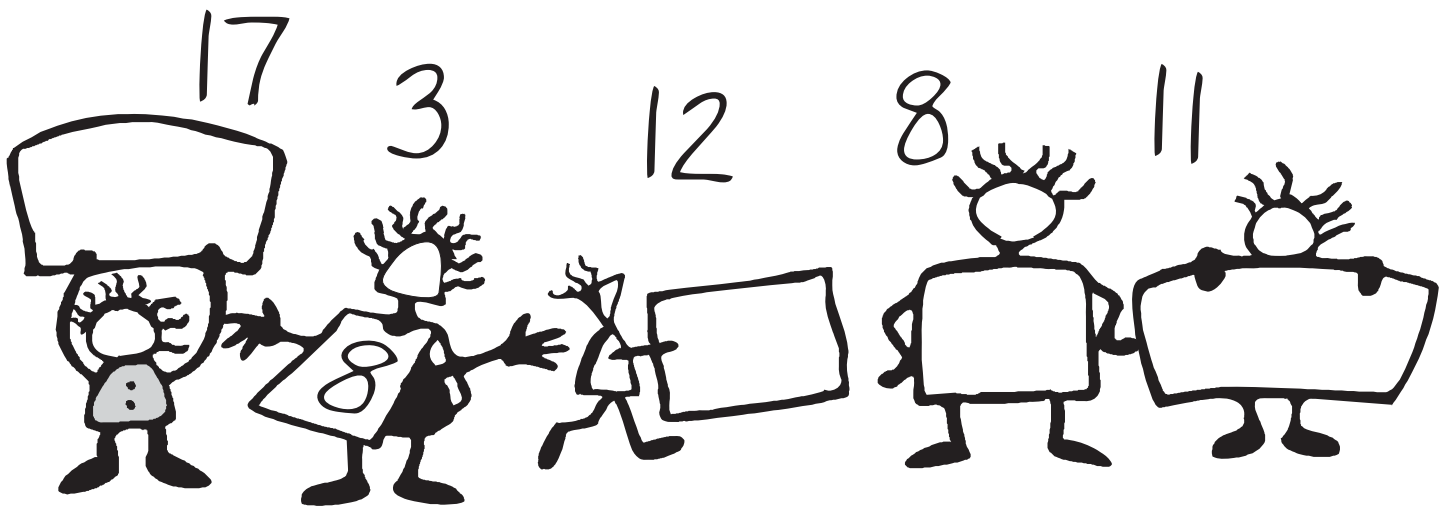
The numbers greater than 10 are

The numbers smaller than 6 are

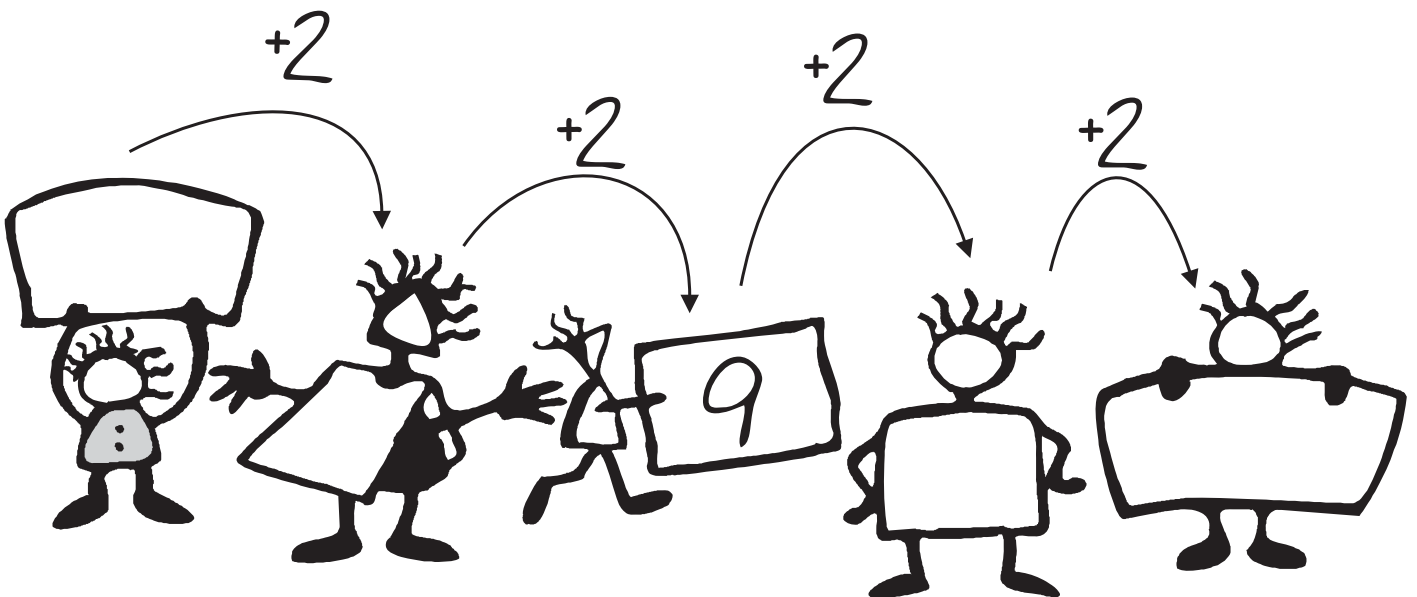
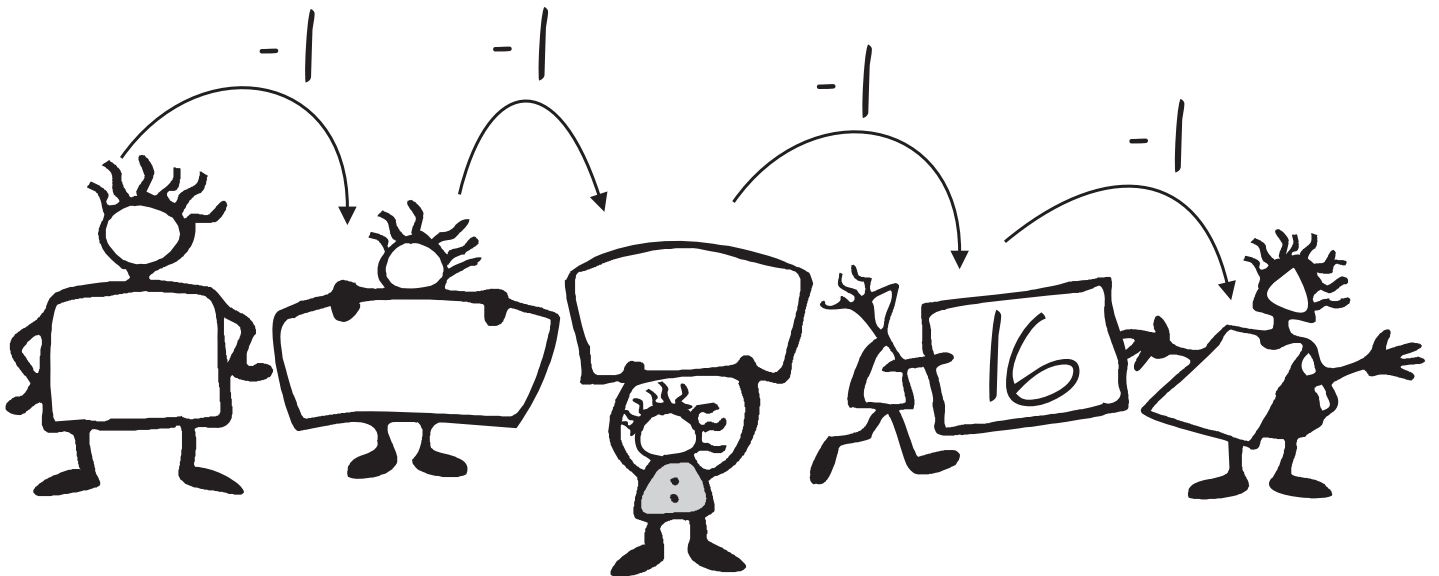
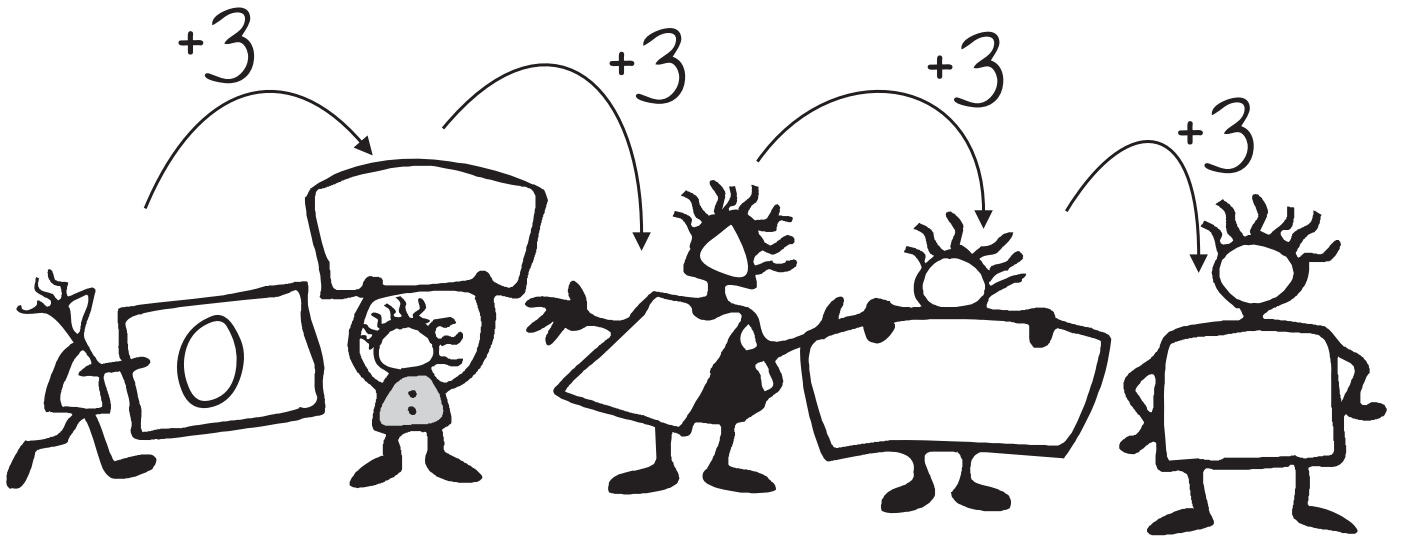
The numbers all in order (smallest to biggest) are:

.....

Put each of the groups of numbers in order from smallest to biggest.

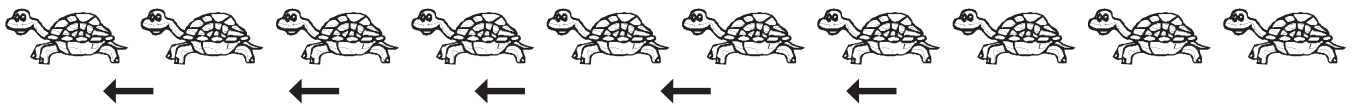


Complete the patterns.

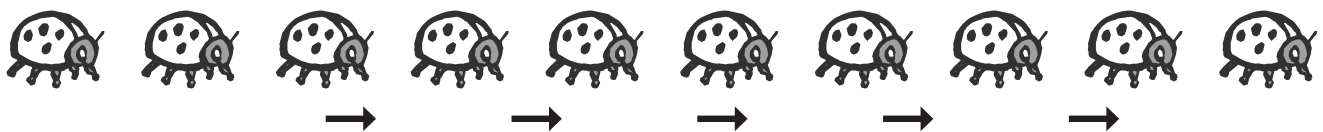


In Order.

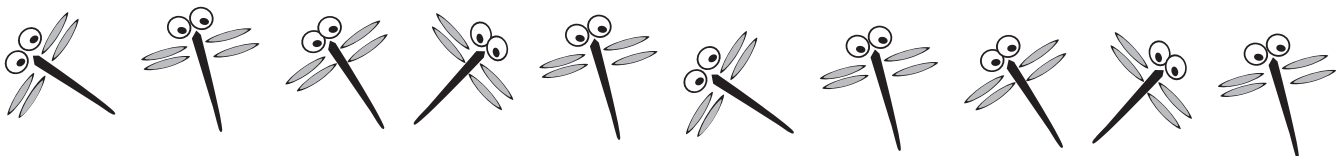
Color the 3rd and 7th turtle.



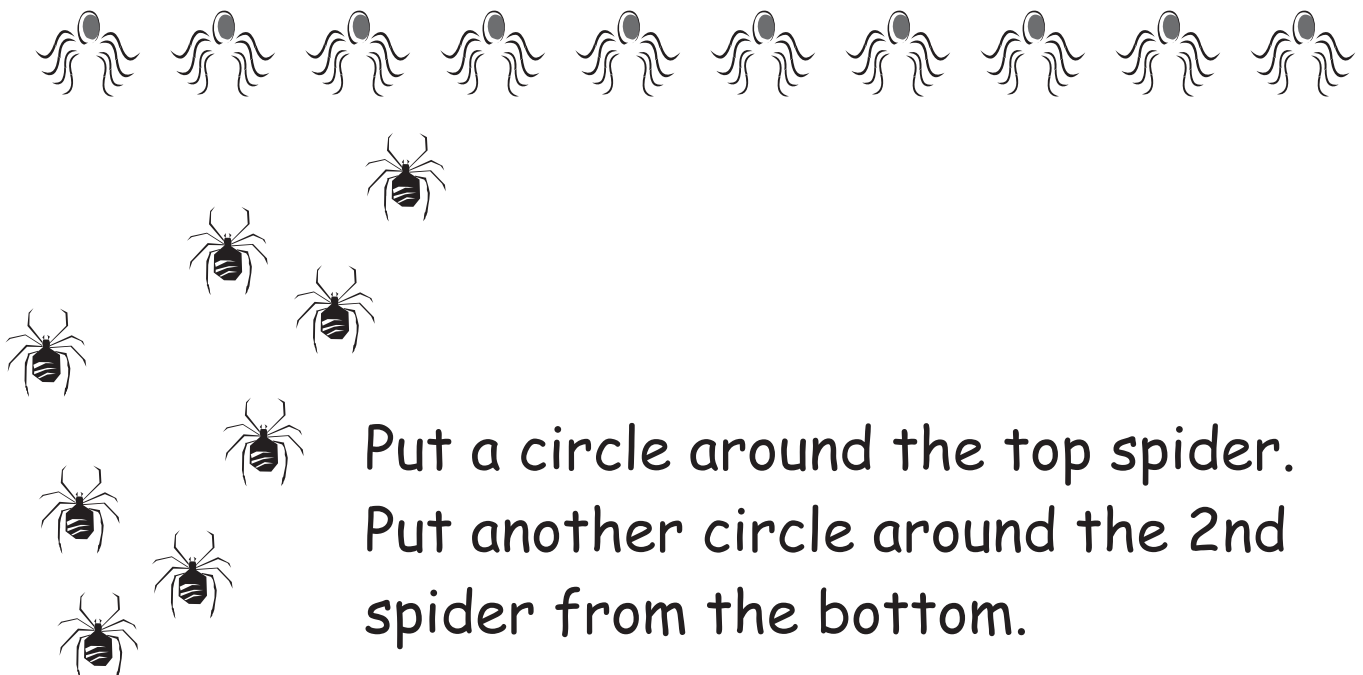
Color the 2nd and 5th bug.



Put a cross through the 4th mosquito from the right.



Put a circle around the 6th octopus from the left.



Put a circle around the top spider.
Put another circle around the 2nd spider from the bottom.

Draw these objects in the correct boxes.



2nd



1st



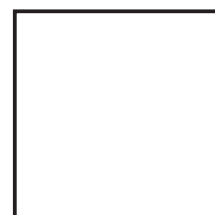
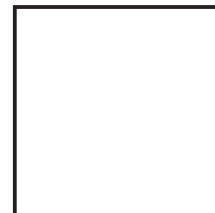
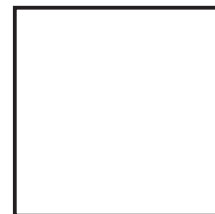
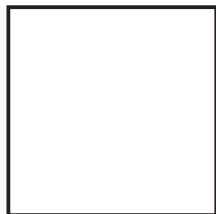
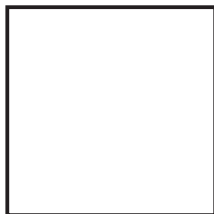
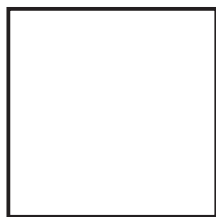
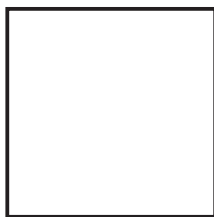
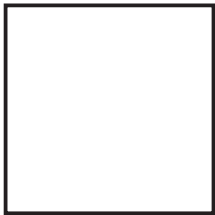
5th



3rd



4th



top left



top right



bottom right



bottom left



Middle



Bottom



Top

Draw 6 more. How many in total?



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

Draw 9 more. How many in total?



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

Draw 7 more. How many in total?



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

Draw 3 more. How many in total?



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

Draw 10 more. How many in total?



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

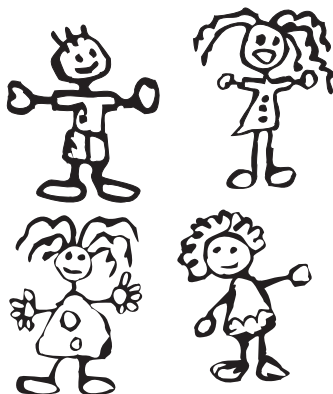
Complete the sums.



$$1 + 3 = 4$$



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



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



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



.....

+

.....

=

.....



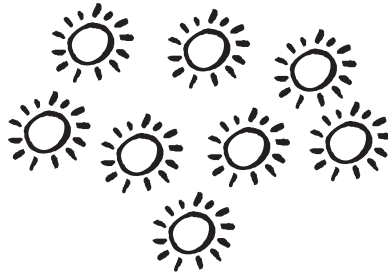
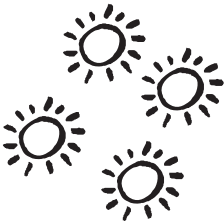
.....

+

.....

=

.....



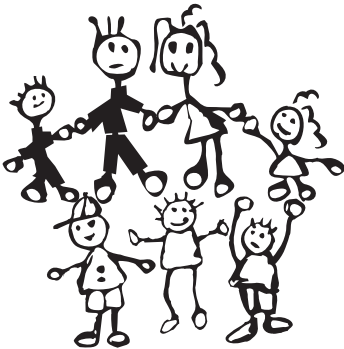
.....

+

.....

=

.....



.....

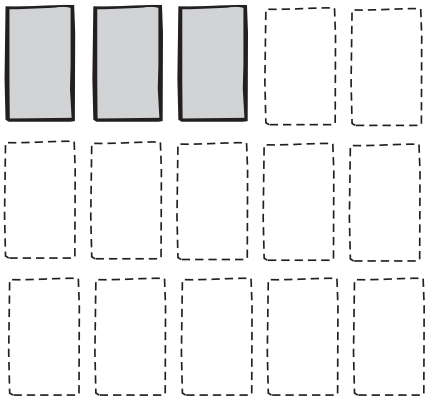
+

.....

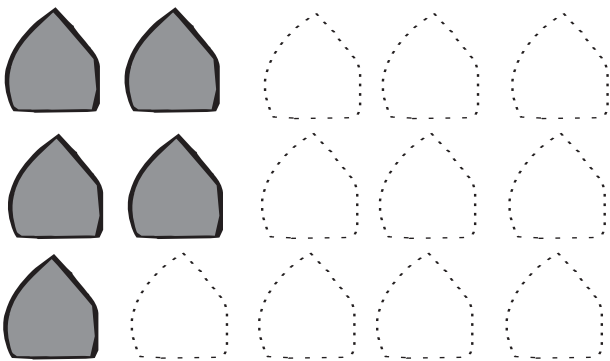
=

.....

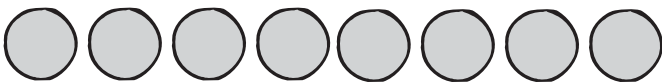
Draw more shapes to make 15.



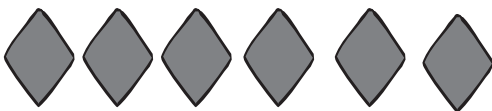
$$3 + \dots = 15$$



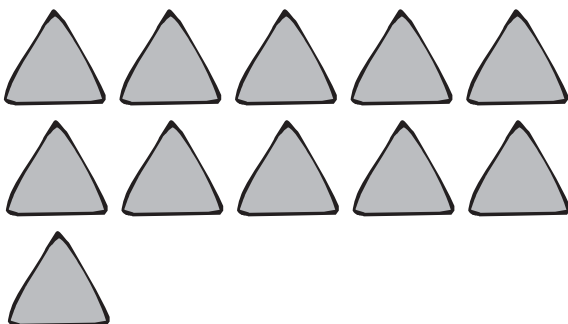
$$5 + \dots = 15$$



$$8 + \dots = 15$$

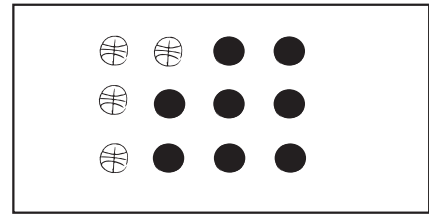
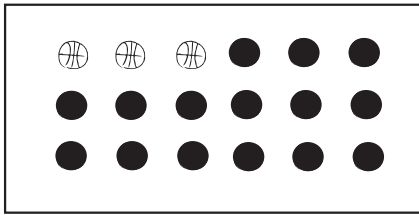


$$6 + \dots = 15$$

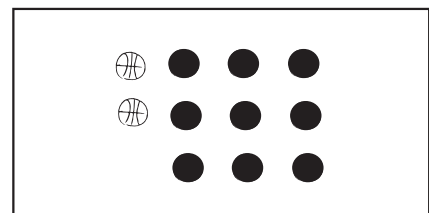
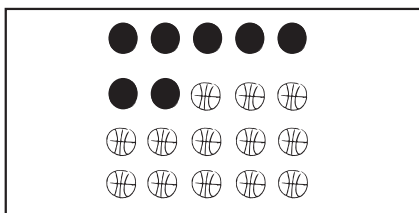
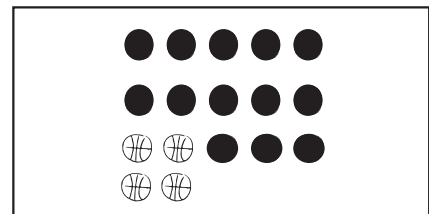
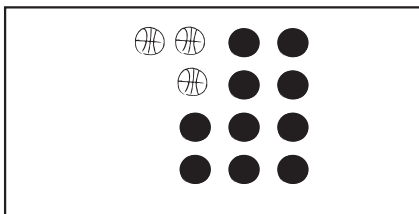
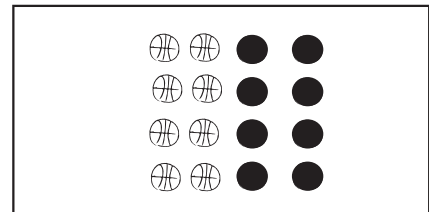
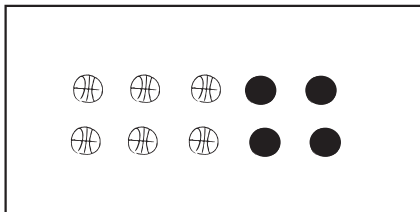


$$11 + \dots = 15$$

Complete the sums.

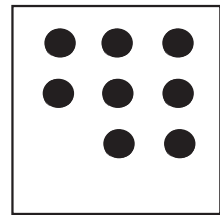
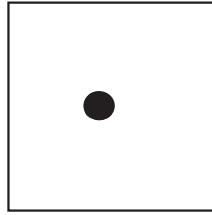


$$3 + 15 = 18$$

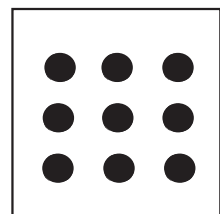
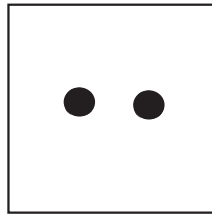


Find the sums that = 12.

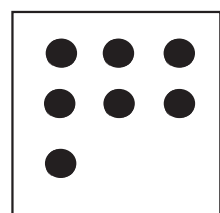
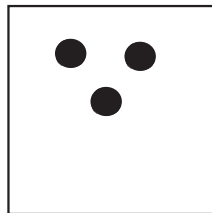
$$1 \dots + 11 \dots = 12$$



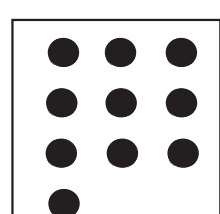
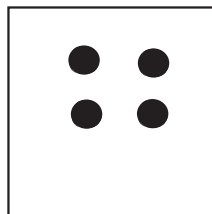
$$\dots + \dots = 12$$



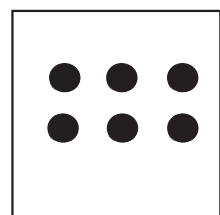
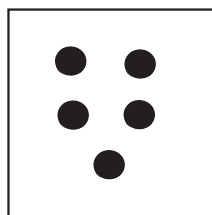
$$\dots + \dots = 12$$



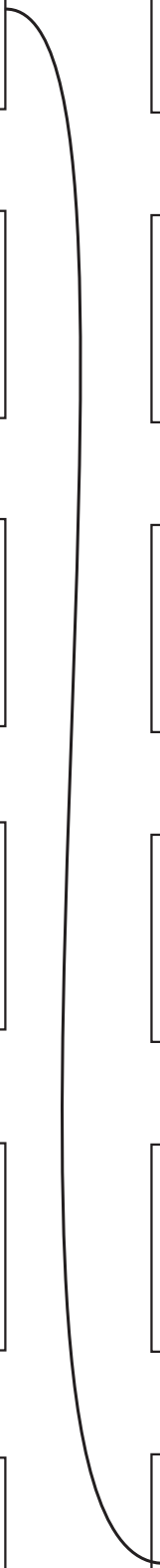
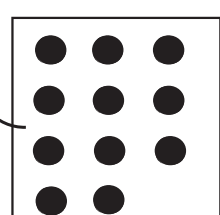
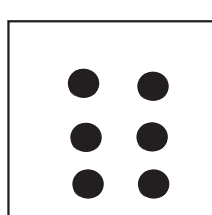
$$\dots + \dots = 12$$



$$\dots + \dots = 12$$



$$\dots + \dots = 12$$



Use the shapes to complete the sums.



0



1



2



3



4



5



6



7



8



9

$$1 + 8 = 9$$

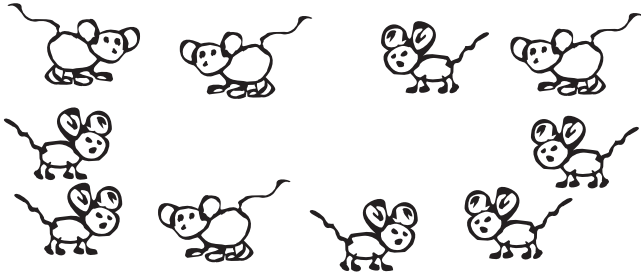
$$* + \text{arrow} = \text{wavy arrow}$$

$$\text{sun} + \text{spiral} = \dots\dots\dots$$

$$\text{diamond} + \text{line} = \dots\dots\dots$$

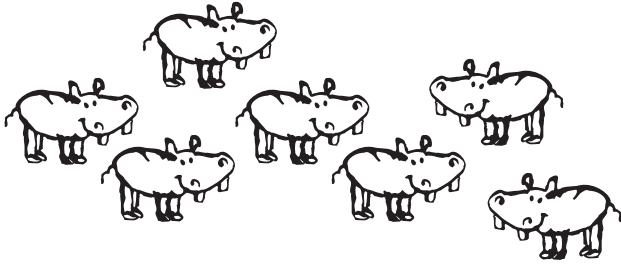
$$\text{wavy} + * = \dots\dots\dots$$

$$\text{wavy arrow} + \text{rectangle} = \dots\dots\dots$$



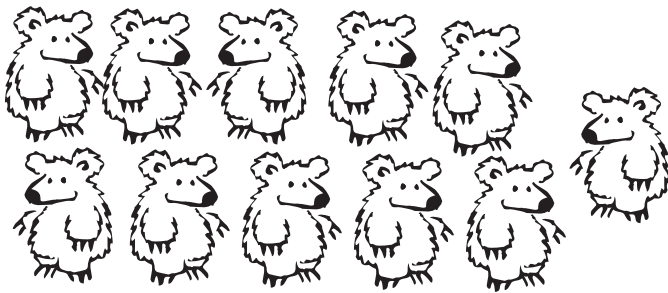
Cross out 3.
How many left?

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



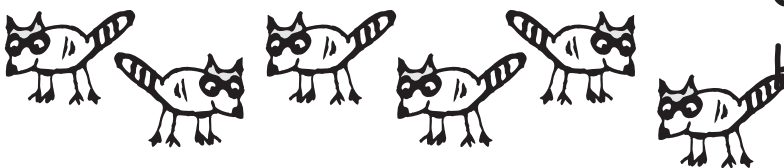
Cross out 5.
How many left?

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



Cross out 8.
How many left?

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



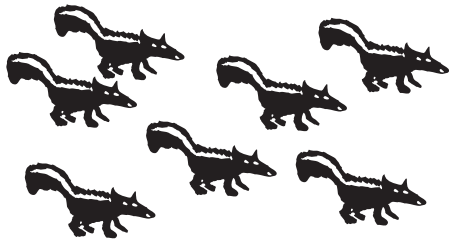
Cross out 2.
How many left?

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



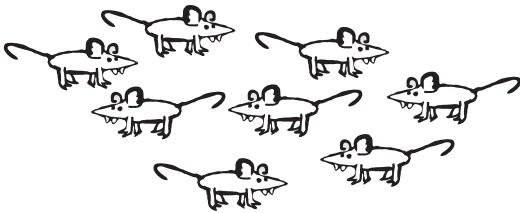
Cross out 0.
How many left?

$$\dots\dots - 0 = \dots\dots$$



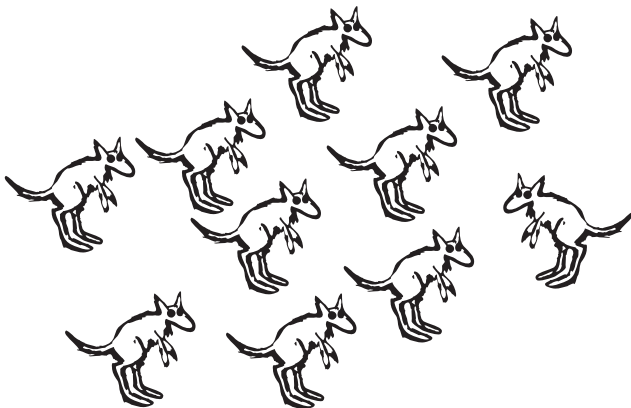
Cross out 4.
How many left?

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



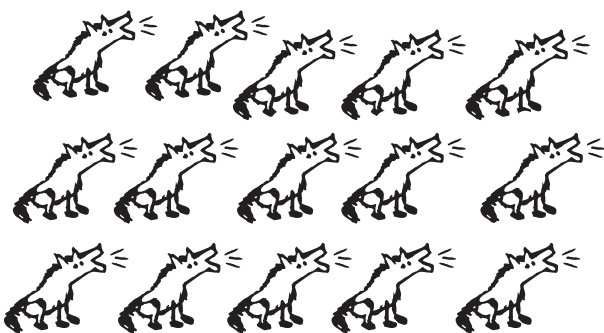
Cross out 6.
How many left?

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



Cross out 8.
How many left?

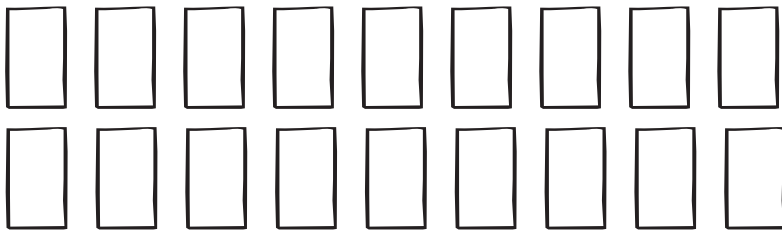
$$\dots\dots - 8 = \dots\dots$$



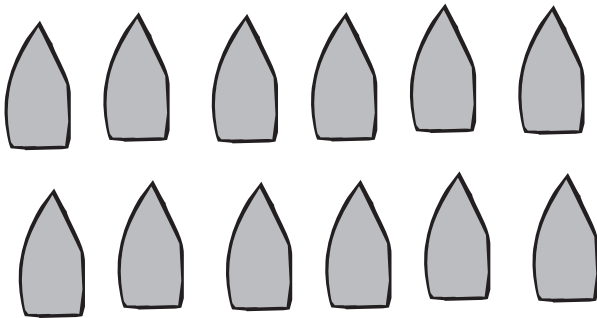
Cross out 5.
How many left?

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

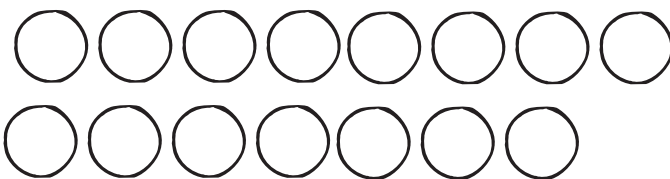
Cross out the shapes and complete the sum.



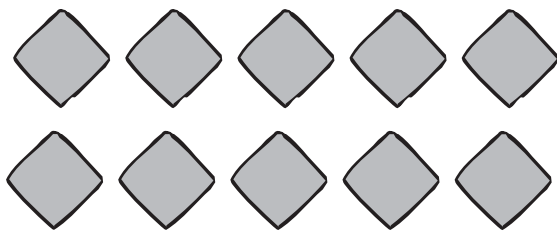
$18 - 4 = \dots\dots\dots$



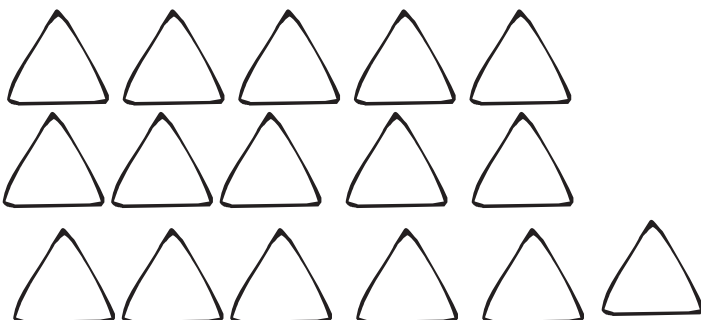
$12 - 5 = \dots\dots\dots$



$15 - 9 = \dots\dots\dots$



$10 - 7 = \dots\dots\dots$

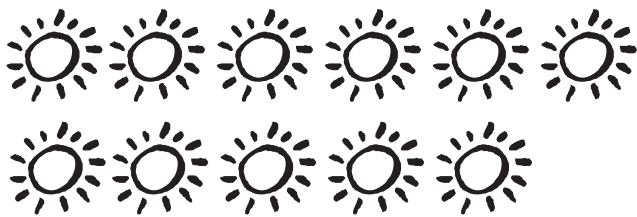


$16 - 6 = \dots\dots\dots$

Cross out the shapes and complete the sum.



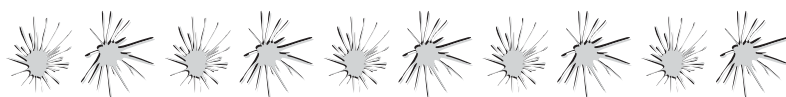
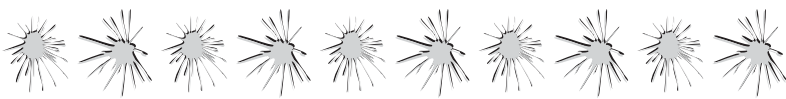
$9 - 3 = \dots\dots\dots$



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



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



$20 - 4 = \dots\dots\dots$



$13 - 8 = \dots\dots\dots$

Use the shapes to complete the sums.



0



1



2



3



4



5



6



7



8



9

$$8 - 1 = 7$$

.....

$$8 - 1 = 7$$

.....

.....

$$8 - 6 = 2$$

.....

.....

$$7 - 1 = 6$$

.....

.....

$$5 - 3 = 2$$

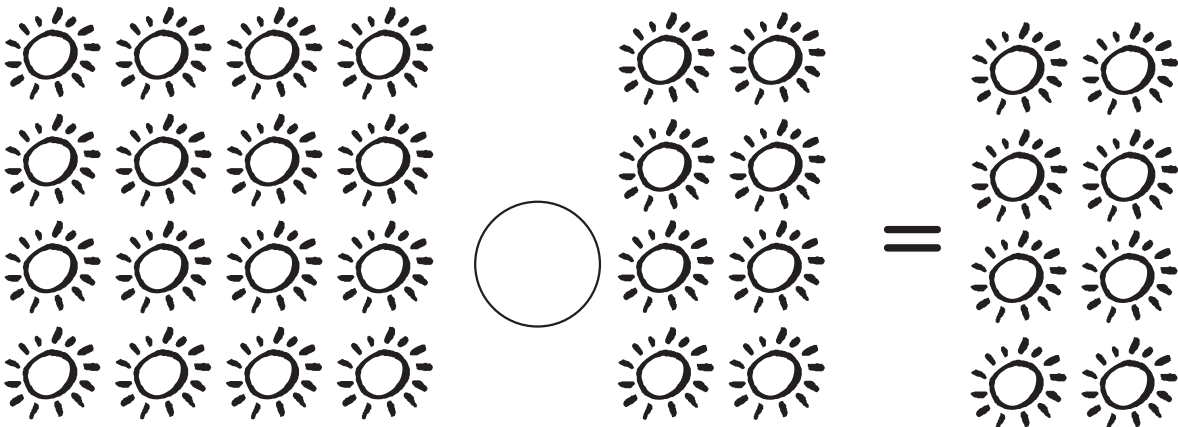
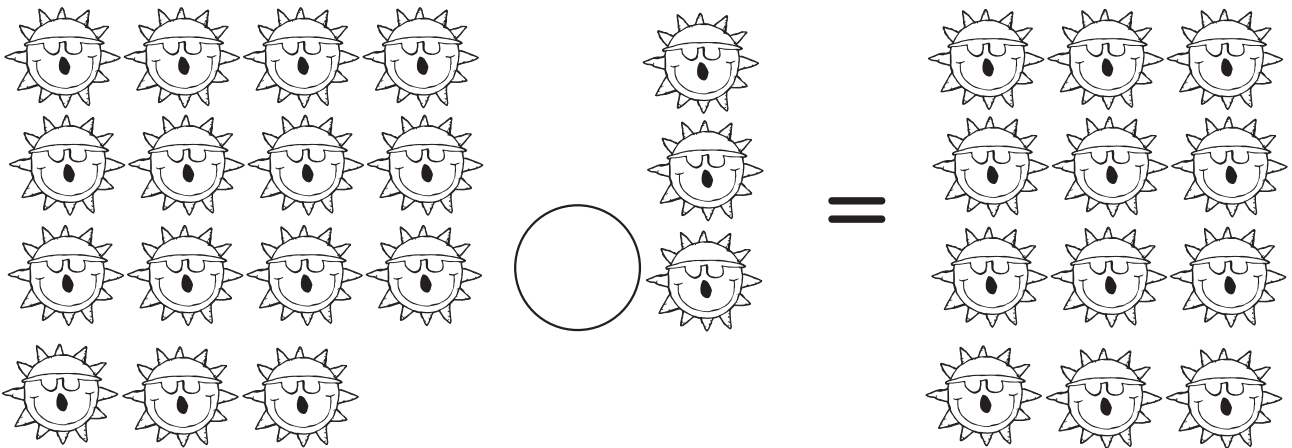
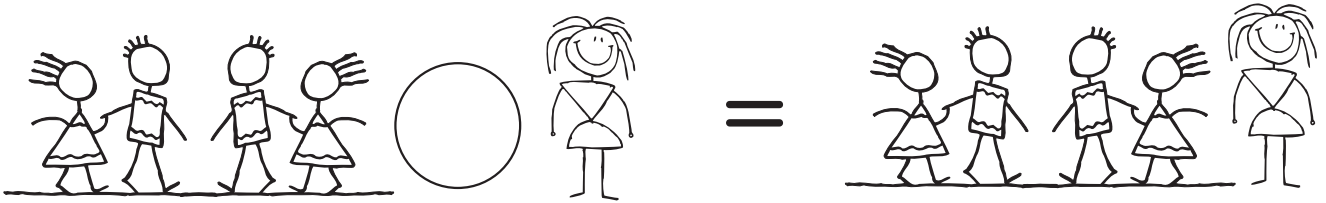
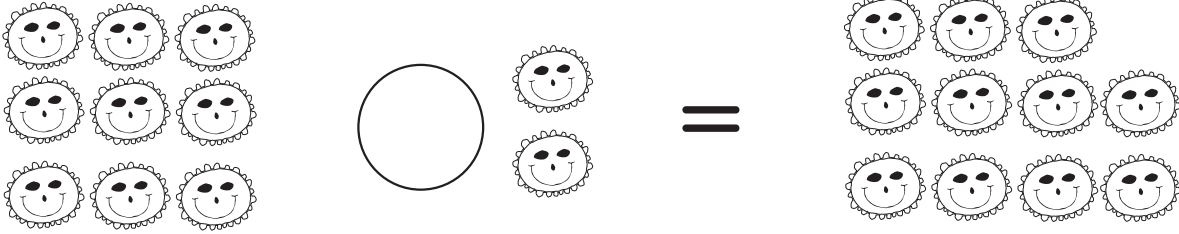
.....

.....

$$9 - 5 = 4$$

.....

Use a + or a - sign.



Use a + or a - sign.

$16 \bigcirc 4 = 12$

$11 \bigcirc 4 = 7$

$18 \bigcirc 3 = 15$

$9 \bigcirc 4 = 13$

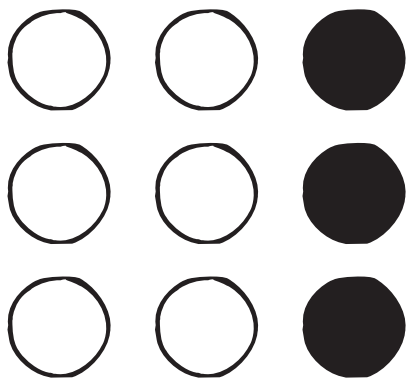
$15 \bigcirc 5 = 20$

$3 \bigcirc 9 = 12$

$19 \bigcirc 12 = 7$

$17 \bigcirc 2 = 19$

Find all the possible sums.



$6 + 3 = \dots\dots\dots$

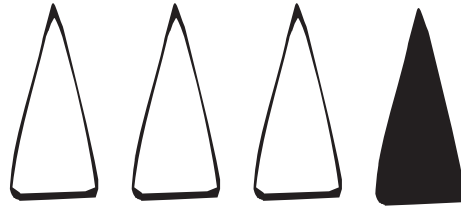
$3 + 6 = \dots\dots\dots$

$9 - 6 = \dots\dots\dots$

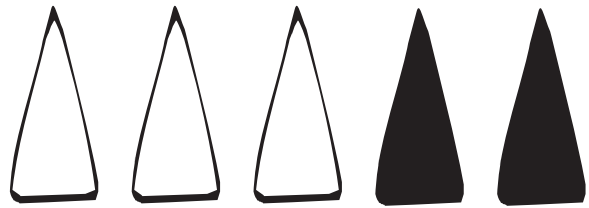
$9 - 3 = \dots\dots\dots$

Use the diagrams to find all the possible sums.

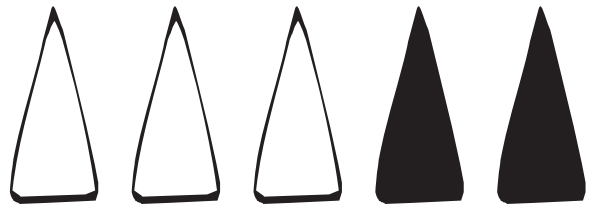
$9 + 5 = \dots\dots\dots$



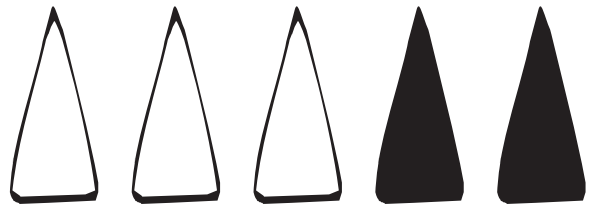
$5 + 9 = \dots\dots\dots$



$14 - 9 = \dots\dots\dots$



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



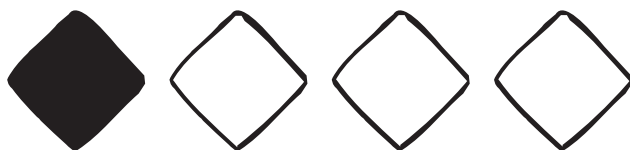
$7 + 9 = \dots\dots\dots$



$9 + 7 = \dots\dots\dots$



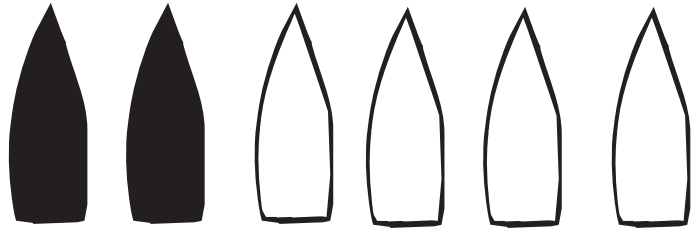
$16 - 7 = \dots\dots\dots$



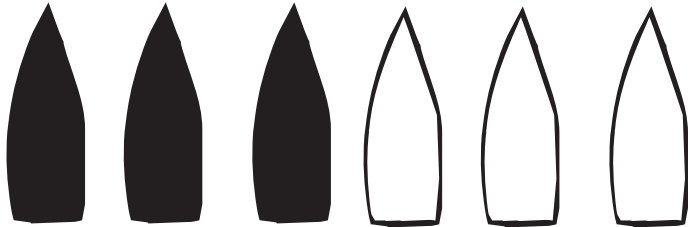
$16 - 9 = \dots\dots\dots$

Find all the possible sums.

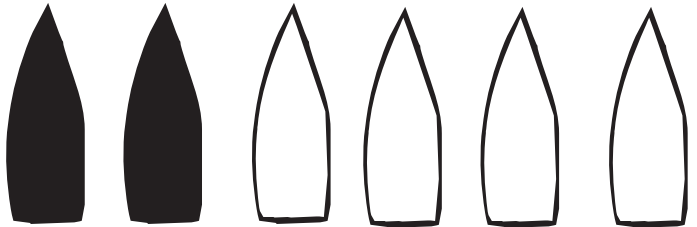
$11 + 7 = \dots\dots\dots$



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



$18 - 7 = \dots\dots\dots$



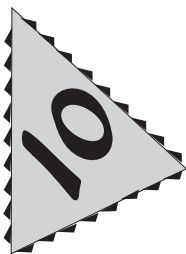
$18 - 11 = \dots\dots\dots$

Tick the correct answers ✓

Cross the incorrect answers ✗

$5 + 5$

$0 + 3$



$7 + 2$



$8 - 5$

$13 - 3$

$6 - 2$

$18 - 8$

$12 - 8$

Describe the objects.



There are 4 rows of 3

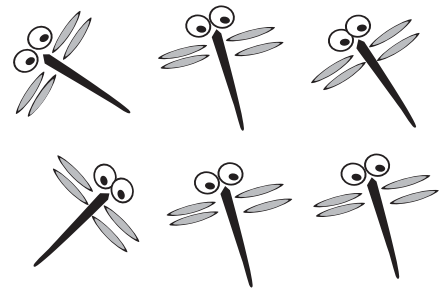
There are 12 in total.

$$4 \times 3 = 12$$

There are rows of

There are in total.

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



There are rows of

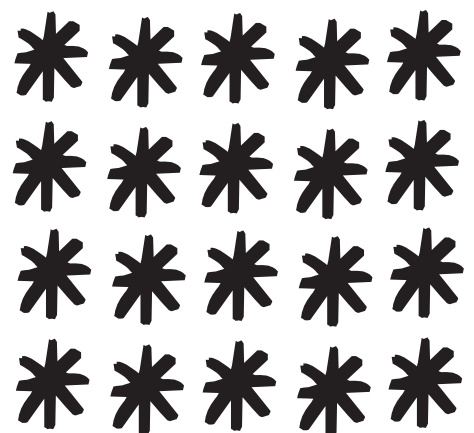
There are in total.

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

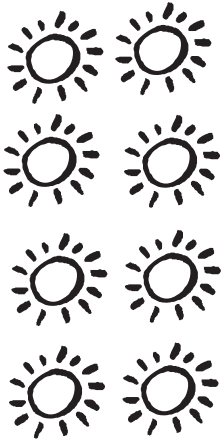
There are rows of

There are in total.

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



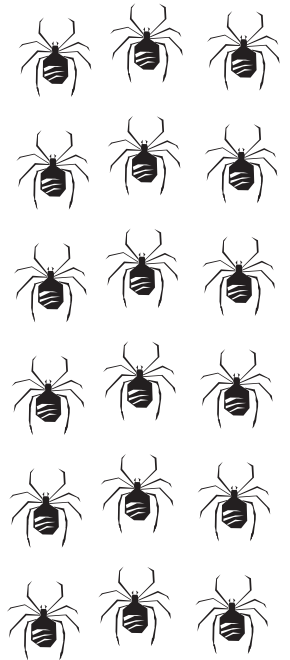
Describe the objects.



There are rows of

There are in total.

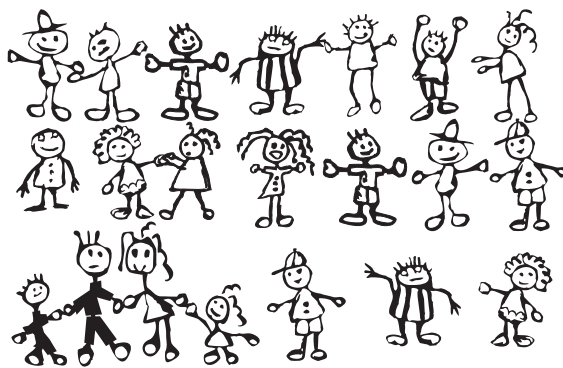
$$\dots \times \dots = \dots$$



There are rows of

There are in total.

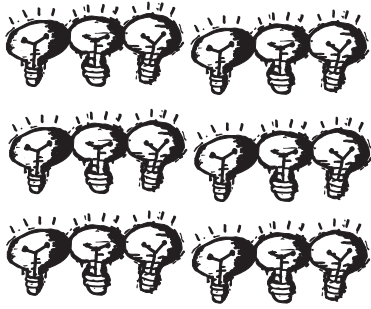
$$\dots \times \dots = \dots$$



There are rows of

There are in total.

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



There are rows of

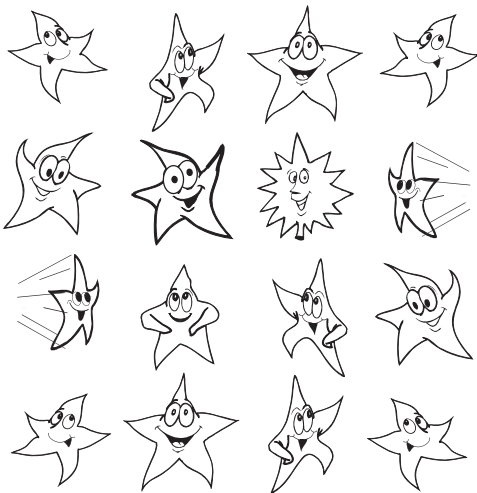
There are in total.

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

There are rows of

There are in total.

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



There are rows of

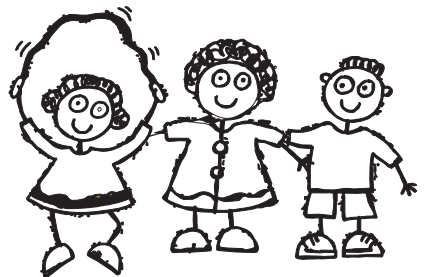
There are in total.

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

There are rows of

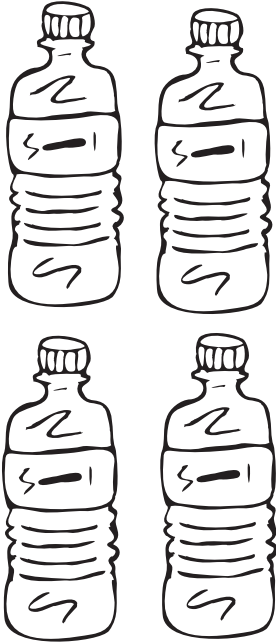
There are in total.

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

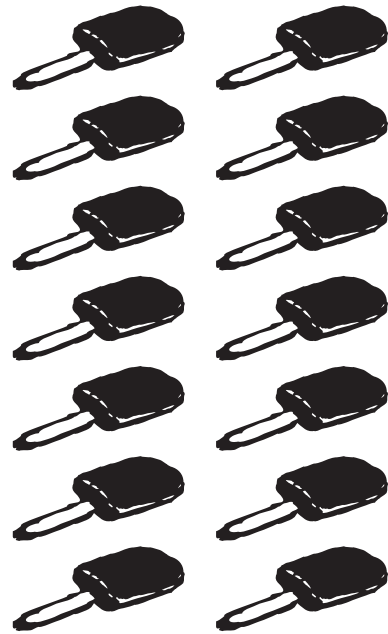




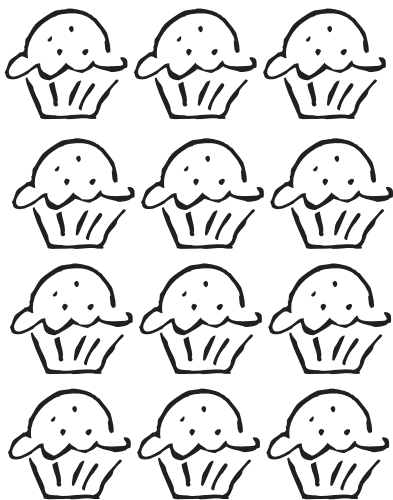
$1 \times 10 = \dots\dots\dots$



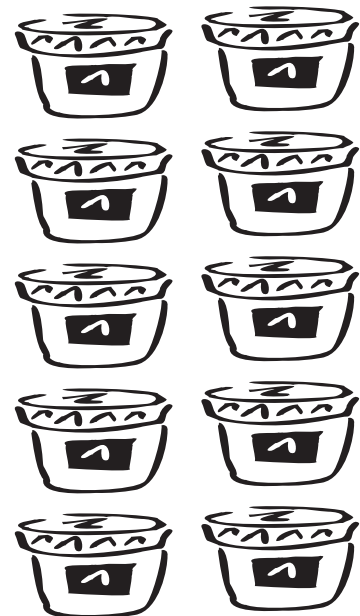
$2 \times 2 = \dots\dots\dots$



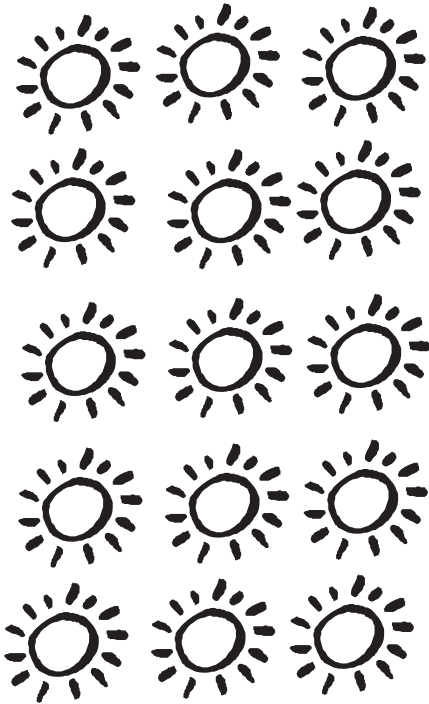
$7 \times 2 = \dots\dots\dots$



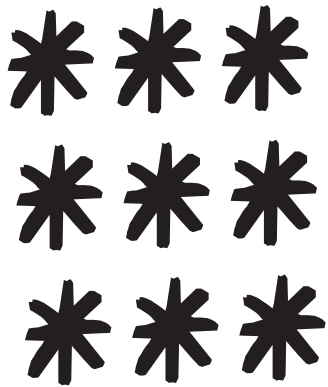
$4 \times 3 = \dots\dots\dots$



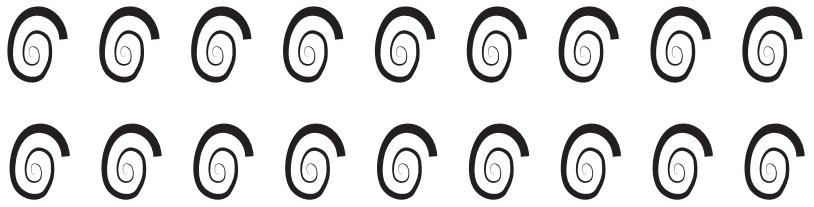
$5 \times 2 = \dots\dots\dots$



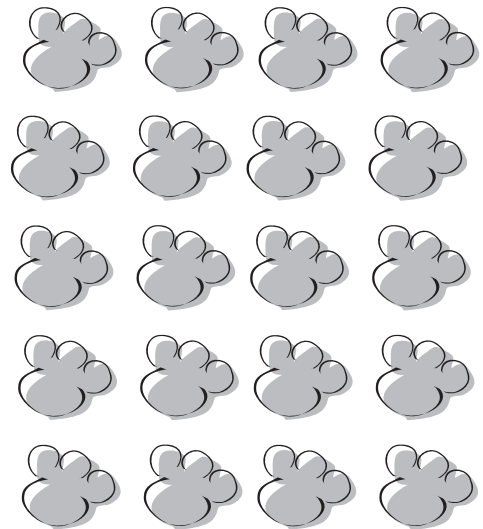
$$5 \times 3 = \dots\dots\dots$$



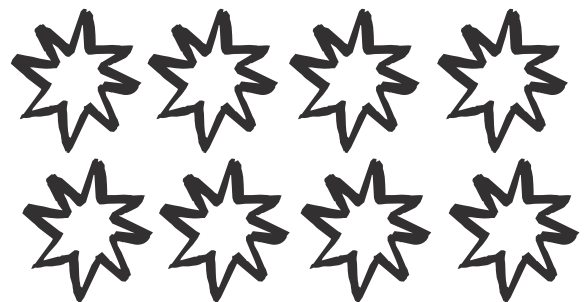
$$3 \times 3 = \dots\dots\dots$$



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

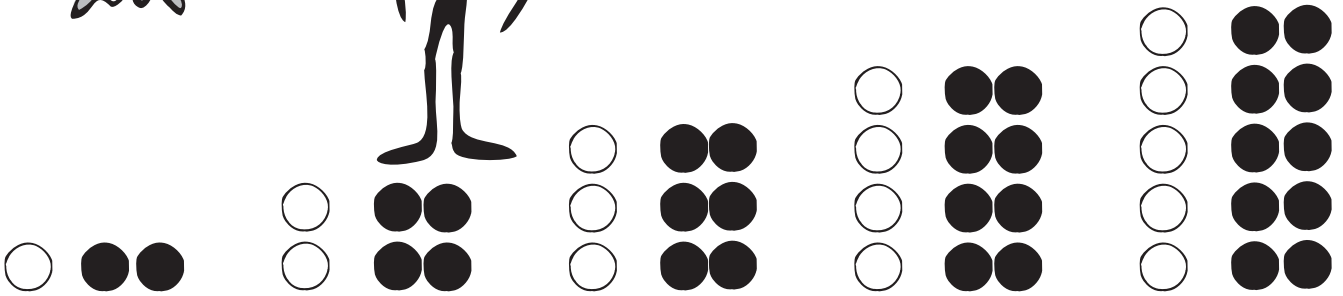
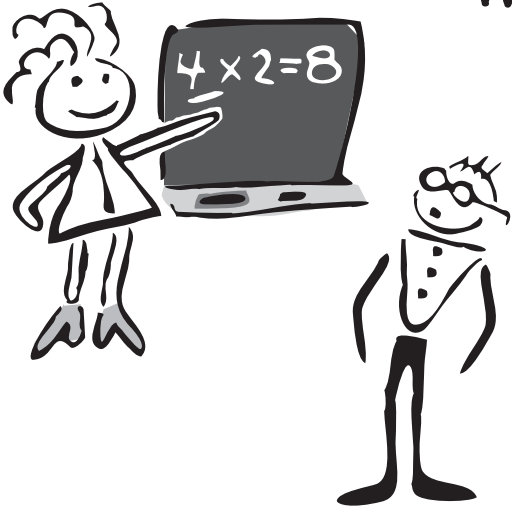


$$5 \times 4 = \dots\dots\dots$$



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

Write in the missing numbers.



Double $\textcircled{6}$ is ...12...

Double $\textcircled{4}$ is

Double $\textcircled{\quad}$ is ...6...

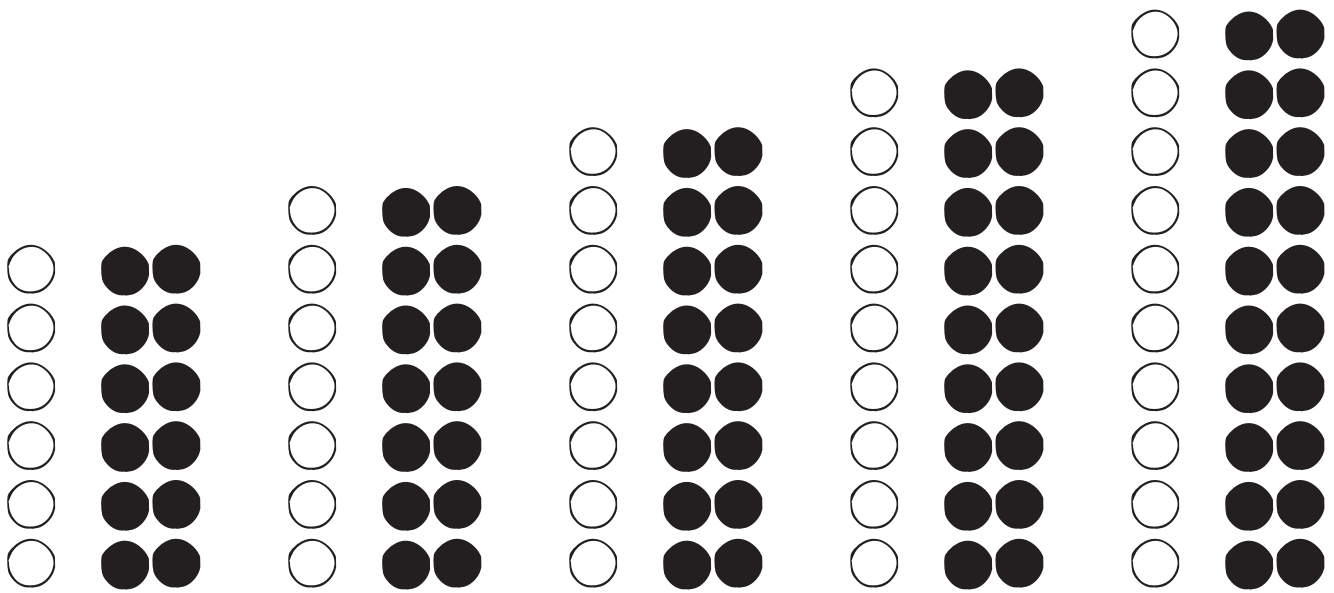
Double $\textcircled{9}$ is

Double $\textcircled{\quad}$ is ...10...

Double $\textcircled{1}$ is

Double $\textcircled{\quad}$ is ...16...

Double $\textcircled{7}$ is



Half $\textcircled{4}$ is ...2...

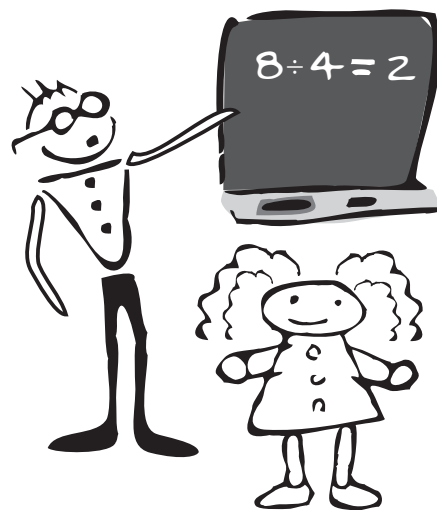
Half $\textcircled{}$ is ...4....

Half $\textcircled{10}$ is

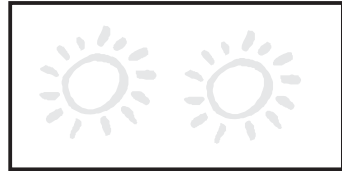
Half $\textcircled{}$ is ...3....

Half $\textcircled{6}$ is

Half $\textcircled{}$ is ...10....



Put the same number of objects into each box.



Put the same number of objects into each box.



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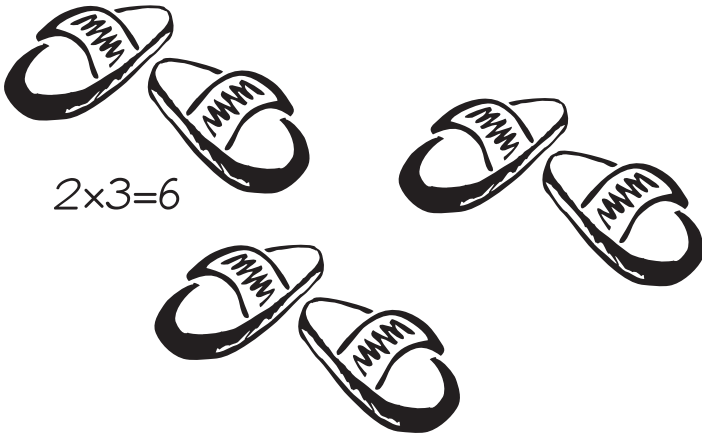
Try these divisions.

$6 \times 2 = 12$



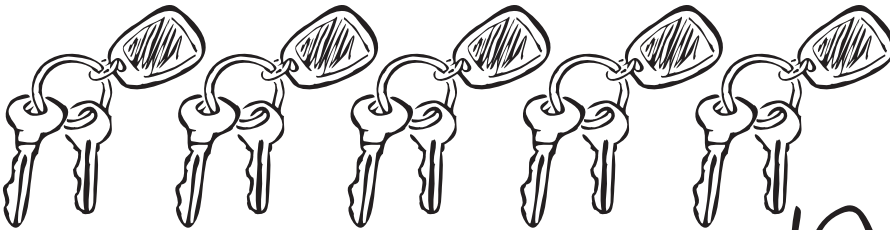
$12 \div 2 = \dots\dots\dots$

$2 \times 3 = 6$

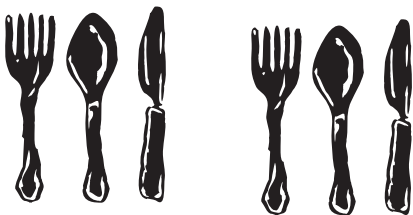


$6 \div 3 = \dots\dots\dots$

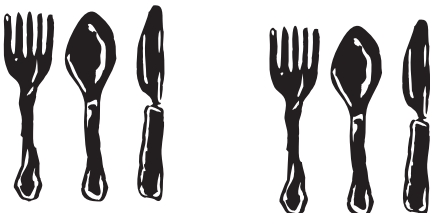
$2 \times 5 = 10$



$10 \div 5 = \dots\dots\dots$



$3 \times 4 = 12$



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



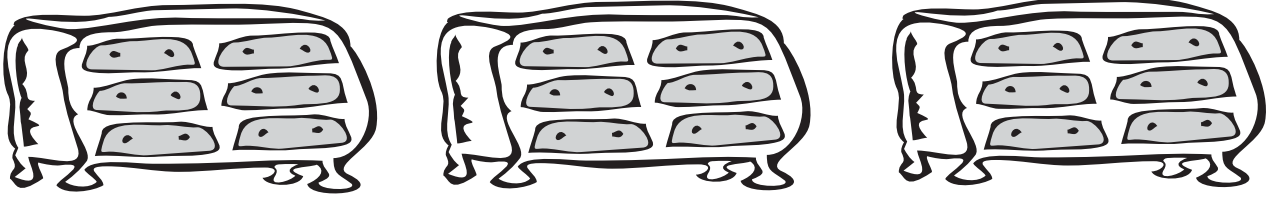
$3 \times 3 = 9$



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

More divisions.

$6 \times 3 = 18$



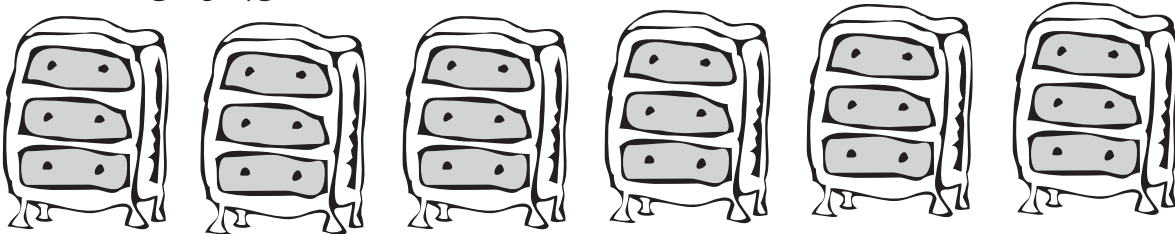
$18 \div 3 = \dots\dots\dots$

$2 \times 4 = 8$



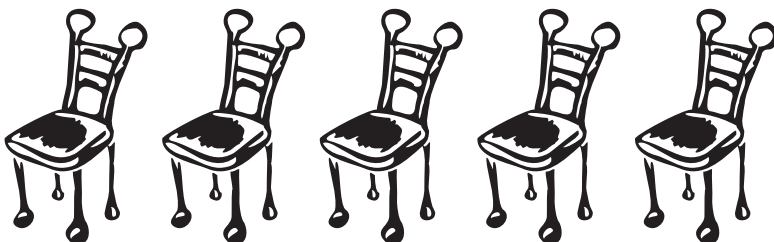
$8 \div 4 = \dots\dots\dots$

$3 \times 6 = 18$



$18 \div 6 = \dots\dots\dots$

$4 \times 5 = 20$



$20 \div 5 = \dots\dots\dots$

THE GREAT MOUNTAIN BIKE CHALLENGE



Fill in all the missing spaces.

5

+1

$\times 2$

+4

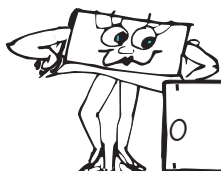
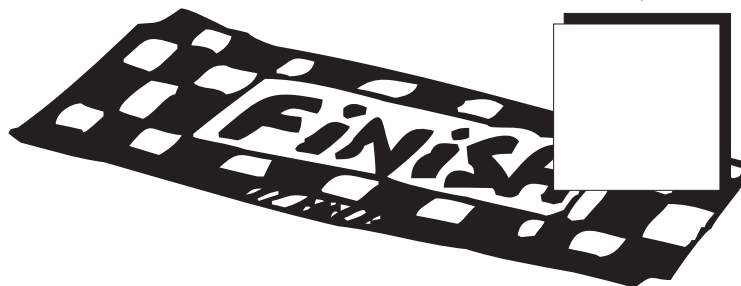
-7

+6

-12

+3

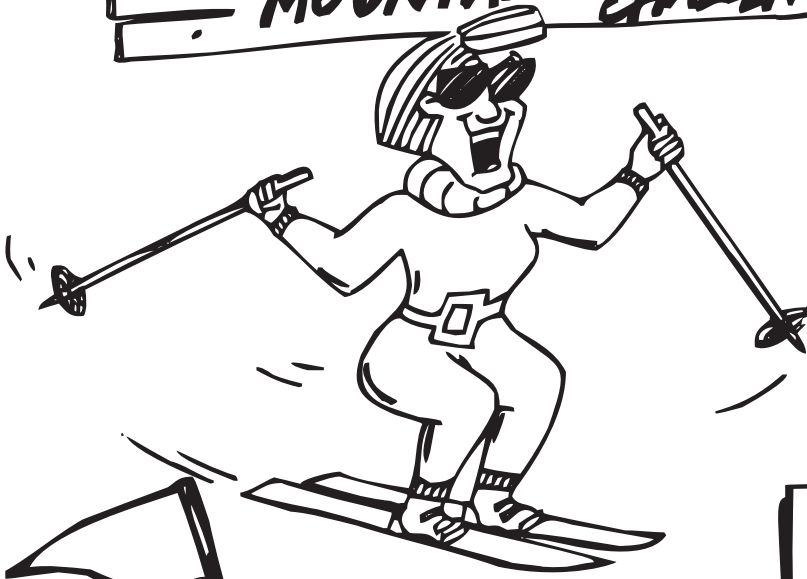
$\div 2$



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



THE GREAT MOUNTAIN SKI CHALLENGE



Fill in all the missing spaces.

20

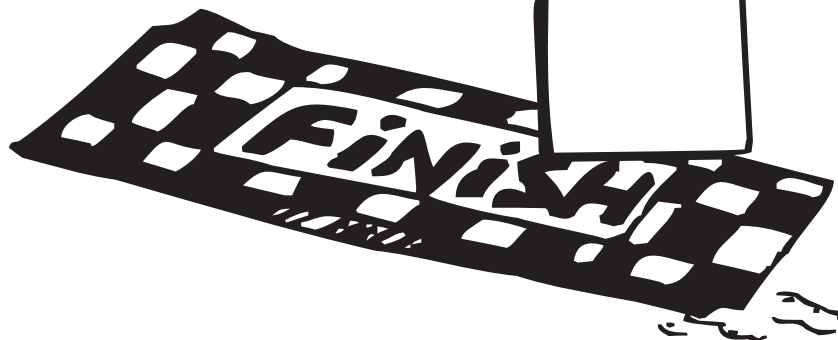
$\div 2$

-5

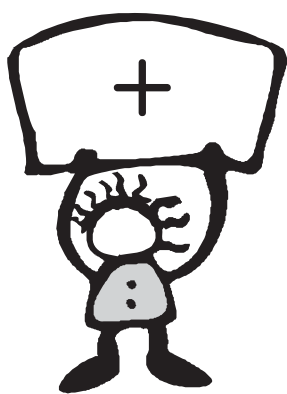
$+3$

$+2$

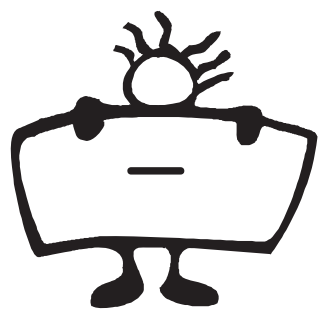
$\times 2$



Fill in the blanks.



$$2 + \dots = 8$$



$$3 + 4 = \dots$$

$$\dots + 5 = 12$$

$$10 - 7 = \dots$$

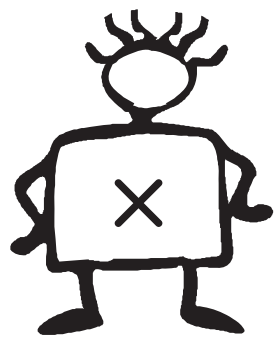
$$8 - \dots = 1$$

$$2 \times \dots = 10$$

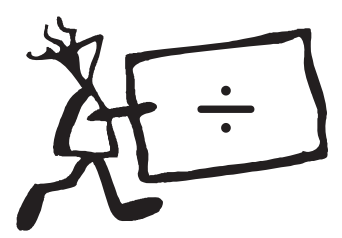
$$2 \times 3 = \dots$$

$$3 \times \dots = 12$$

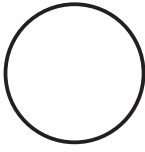

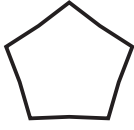
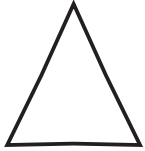



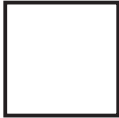

$$6 \div \dots = 3$$



$$6 \div 3 = \dots$$







The Answers



		
		
		



5



Use the words: above, below, left or right.



 are on the left of .



 is below .



 is above .

 is on the right of .

 is above .


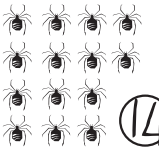
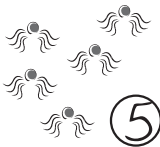




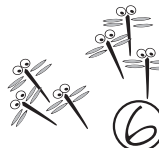



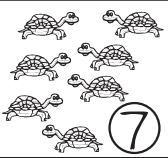
 is on the right of .

 is below .

 is on the left of .

7






How many animals are in each box?

 ⑧	 ⑭	 ⑤
 ⑫	 ④	 ③
 ⑨	 ⑥	 ⑩
 ①	 ②	 ⑦

8


How many objects?


Write the number and the word.


	Number	Word
	<u>2</u>	<u>two</u>
	<u>5</u>	<u>five</u>
	<u>7</u>	<u>seven</u>
	<u>8</u>	<u>eight</u>
	<u>11</u>	<u>eleven</u>

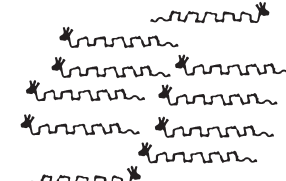
9

How many?
Write the number and the number word.

 4 four


 9 nine


 16 sixteen


 10 ten


10

How many?
Write the number and the word.

 6 six



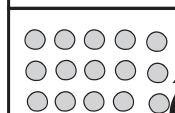
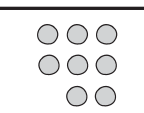
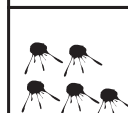
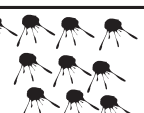


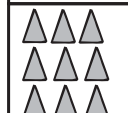
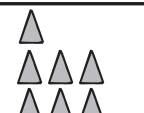
 13 thirteen

 3 three

 7 seven





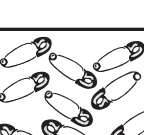
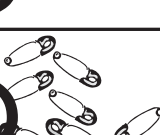


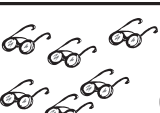
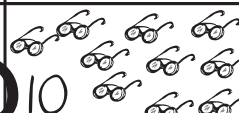
11

How many objects?
Circle the number which is larger.

 <u>13</u> 11	
 <u>15</u> 8	
 5 <u>10</u>	
 6 <u>12</u>	
 <u>9</u> 7	





















12

How many objects?
Circle the number which is smaller.

 <u>3</u> 5	
 4 <u>2</u>	
 9 <u>7</u>	
 15 <u>14</u>	
 <u>6</u> 10	

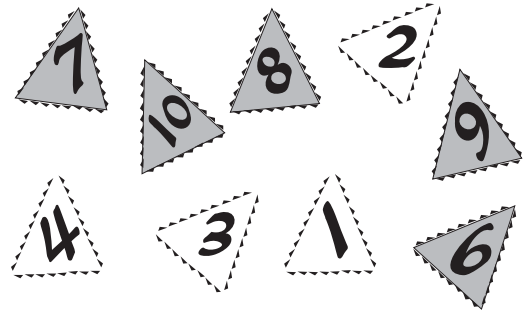
13

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

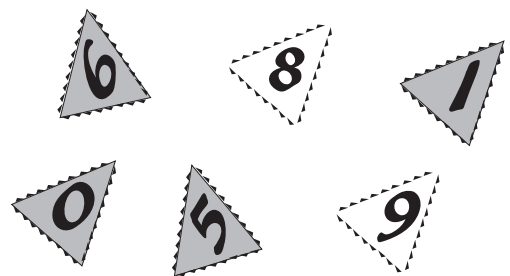
 3 > 1 	 2 < 3 
 4 < 5 	 6 > 4 
 7 > 5 	 9 > 8 
 7 < 9 	 3 < 9 
 15 > 12 	 4 < 10 

14

Color the numbers greater than 5.



Color the numbers less than 7.



15

Use the number line to find the correct numbers.

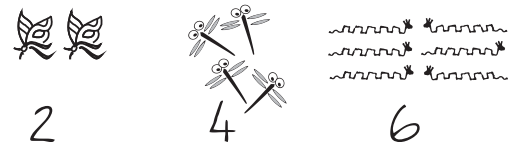


- 8 is one before 9.
- 12 is one before 13
- 8 is two after 6
- 15 is three after 12.
- The numbers on either side of 15 are 14 and 16
- 19 is one after 18
- 7 is three before 10
- The numbers on either side of 10 are 9 and 11
- Continue the sequence: 8, 9, 10 and 11
- Continue the sequence 16, 14, 12, 10 and 8

16

Even And Odd Numbers.

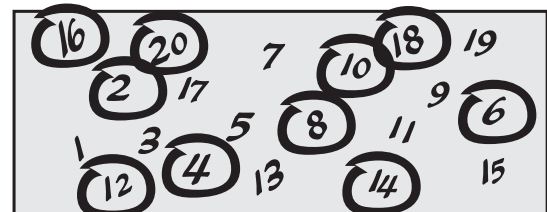
EVEN NUMBERS - all the figures have partners.



ODD NUMBERS - all the figures have 1 left over.



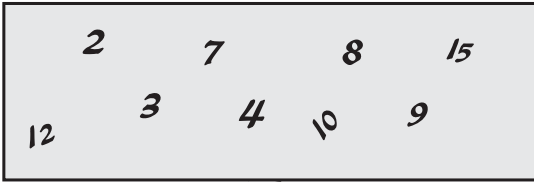
Circle the even numbers.



All the circled numbers are even. This means that the numbers not circled must be odd

17

Use the numbers below.



The biggest number is 15.

The smallest number is 2.

The odd numbers are 3 7 9 15.

The even numbers are 2 4 8 10 12.

The numbers greater than 10 are 12 15.

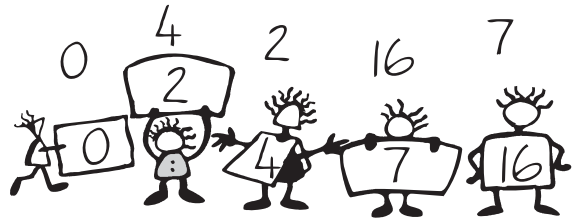
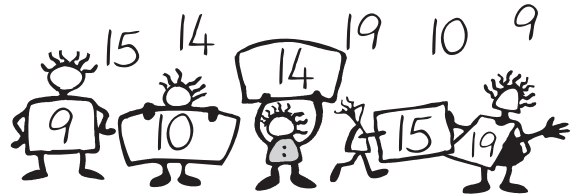
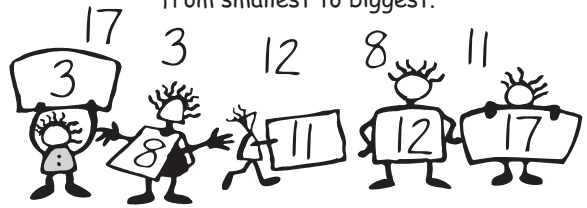
The numbers smaller than 6 are 2 3 4.

The numbers all in order (smallest to biggest) are:

2 3 4 7 8 9 10 12 15

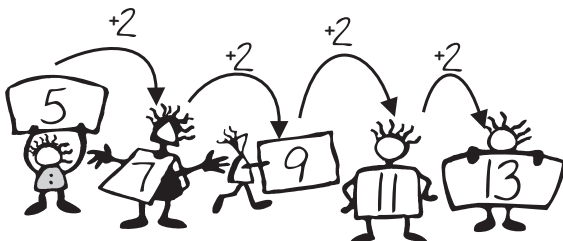
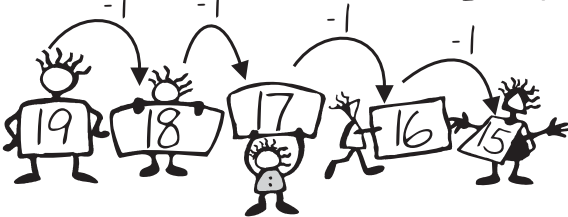
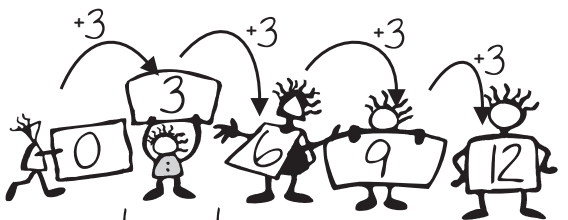
18

Put each of the groups of numbers in order from smallest to biggest.



19

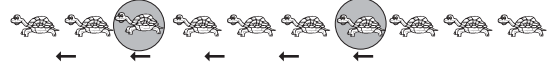
Complete the patterns.



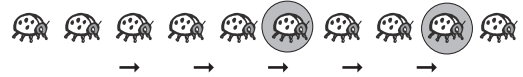
20

In Order.

Color the 3rd and 7th turtle.



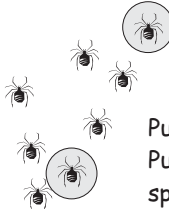
Color the 2nd and 5th bug.



Put a cross through the 4th mosquito from the right.



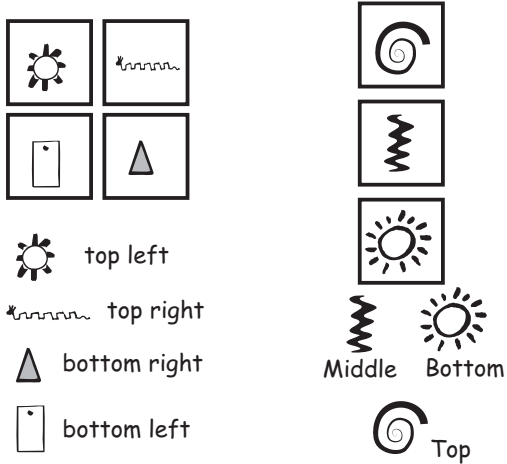
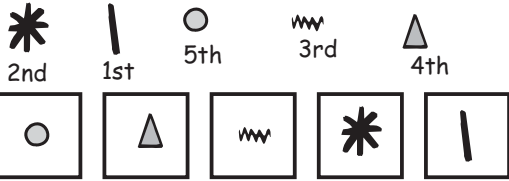
Put a circle around the 6th octopus from the left.



Put a circle around the top spider.
Put another circle around the 2nd spider from the bottom.

21

Draw these objects in the correct boxes.



22

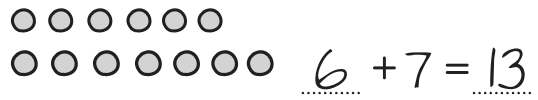
Draw 6 more. How many in total?



Draw 9 more. How many in total?



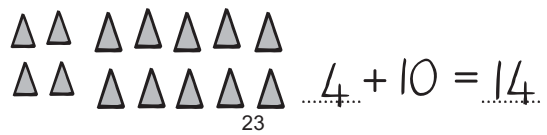
Draw 7 more. How many in total?



Draw 3 more. How many in total?

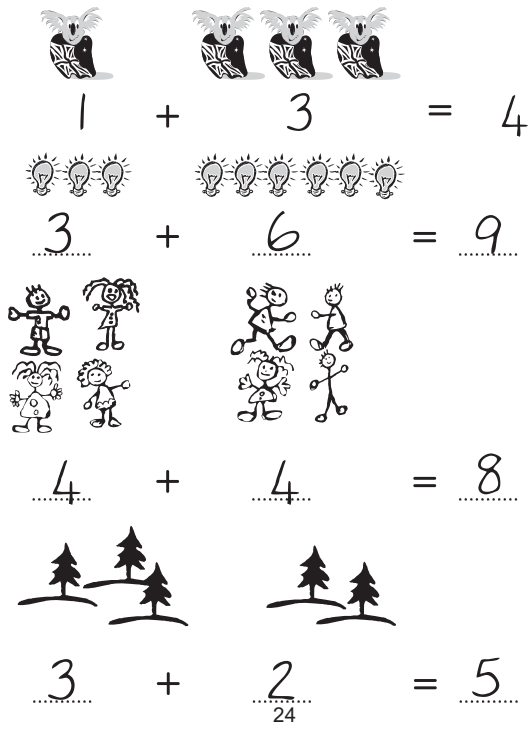


Draw 10 more. How many in total?

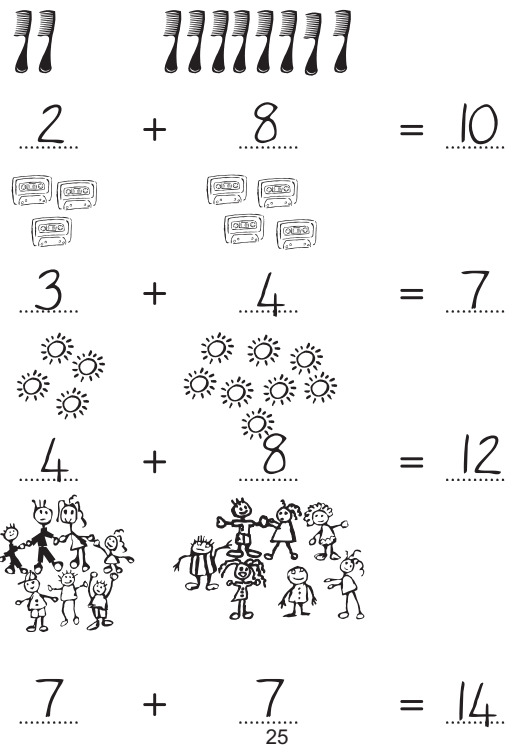


23

Complete the sums.

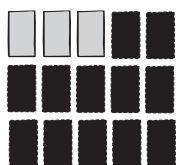


24

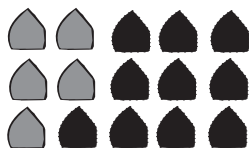


25

Draw more shapes to make 15.



$$3 + 12 = 15$$



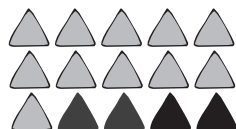
$$5 + 10 = 15$$



$$8 + 7 = 15$$



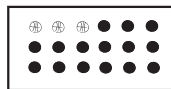
$$6 + 9 = 15$$



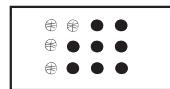
$$11 + 4 = 15$$

26

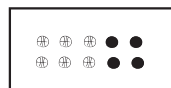
Complete the sums.



$$3 + 15 = 18$$



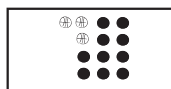
$$4 + 8 = 12$$



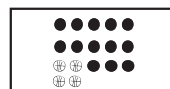
$$6 + 4 = 10$$



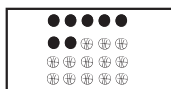
$$8 + 8 = 16$$



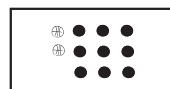
$$3 + 10 = 13$$



$$4 + 13 = 17$$



$$13 + 7 = 20$$



$$2 + 9 = 11$$

27

Find the sums that = 12.

$$1 + 11 = 12$$



$$2 + 10 = 12$$



$$3 + 9 = 12$$



$$4 + 8 = 12$$



$$5 + 7 = 12$$

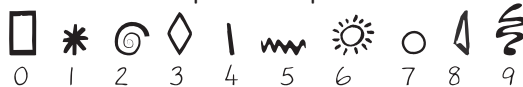


$$6 + 6 = 12$$



28

Use the shapes to complete the sums.



$$1 + 8 = 9$$

$$* + \triangle = \text{squiggle}$$

$$6 + 2 = 8$$

$$\text{sun} + \text{spiral} = \triangle$$

$$3 + 4 = 7$$

$$\text{diamond} + \text{line} = \text{circle}$$

$$5 + 1 = 6$$

$$\text{wavy} + * = \text{sun}$$

$$9 + 0 = 9$$

$$\text{squiggle} + \square = \text{squiggle}$$

29

Cross out 3.
How many left? 7

$10 - 3 = 7$

Cross out 5.
How many left? 2

$7 - 5 = 2$

Cross out 8.
How many left? 3

$11 - 8 = 3$

Cross out 2.
How many left? 4

$6 - 2 = 4$

Cross out 0.
How many left? 5

$5 - 0 = 5$

30

Cross out 4.
How many left? 3

$7 - 4 = 3$

Cross out 6.
How many left? 2

$8 - 6 = 2$

Cross out 8.
How many left? 2

$10 - 8 = 2$

Cross out 5.
How many left? 10

$15 - 5 = 10$

31

Cross out the shapes and complete the sum.

$18 - 4 = 14$

$12 - 5 = 7$

$15 - 9 = 6$

$10 - 7 = 3$

$16 - 6 = 10$

32

Cross out the shapes and complete the sum.

$9 - 3 = 6$

$11 - 6 = 5$

$17 - 5 = 12$

$20 - 4 = 16$

$13 - 8 = 5$

33

Use the shapes to complete the sums.



$$8 - 1 = 7$$

$$8 - * = \circ$$

$$8 - 6 = 2$$

$$8 - \text{sun} = \text{swirl}$$

$$7 - 1 = 6$$

$$\circ - * = \text{sun}$$

$$5 - 3 = 2$$

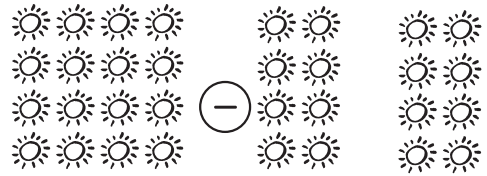
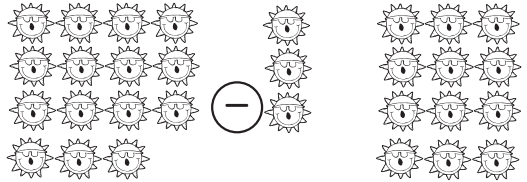
$$\text{wavy} - \text{diamond} = \text{swirl}$$

$$9 - 5 = 4$$

$$\text{zigzag} - \text{wavy} = 1$$

34

Use a + or a - sign.



35

Use a + or a - sign.

$$16 - 4 = 12$$

$$11 - 4 = 7$$

$$18 - 3 = 15$$

$$9 + 4 = 13$$

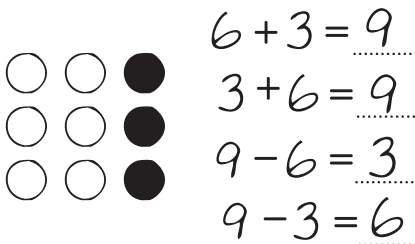
$$15 + 5 = 20$$

$$3 + 9 = 12$$

$$19 - 12 = 7$$

$$17 + 2 = 19$$

Find all the possible sums.



$$6 + 3 = 9$$

$$3 + 6 = 9$$

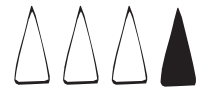
$$9 - 6 = 3$$

$$9 - 3 = 6$$

36

Use the diagrams to find all the possible sums.

$$9 + 5 = 14$$



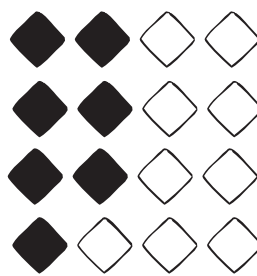
$$5 + 9 = 14$$



$$14 - 9 = 5$$



$$14 - 5 = 9$$



$$7 + 9 = 16$$

$$9 + 7 = 16$$

$$16 - 7 = 9$$

$$16 - 9 = 7$$

37

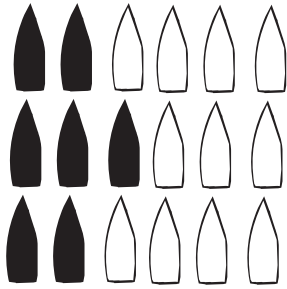
Find all the possible sums.

$$11 + 7 = 18$$

$$7 + 11 = 18$$



$$18 - 7 = 11$$

$$18 - 11 = 7$$




Tick the correct answers ✓

Cross the incorrect answers ✗

	$5 + 5$ ✓	$0 + 3$ ✗
	$7 + 2$ ✗	$8 - 5$ ✗
	$13 - 3$ ✓	$6 - 2$ ✓
	$18 - 8$ ✓	$12 - 8$ ✓

38

Describe the objects.

 There are 4 rows of 3.

There are 12 in total.

$$4 \times 3 = 12$$

There are 2 rows of 3.

There are 6 in total.

$$2 \times 3 = 6$$



There are 2 rows of 5.

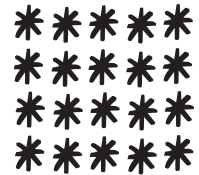
There are 10 in total.

$$2 \times 5 = 10$$

There are 4 rows of 5.


There are 20 in total.

$$4 \times 5 = 20$$



39

Describe the objects.

 There are 4 rows of 2.

There are 8 in total.

$$4 \times 2 = 8$$

There are 6 rows of 3.

There are 18 in total.

$$6 \times 3 = 18$$

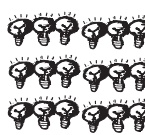


There are 3 rows of 7.

There are 21 in total.

$$3 \times 7 = 21$$

40

 There are 3 rows of 6.

There are 18 in total.


$$3 \times 6 = 18$$

There are 5 rows of 2.

There are 10 in total.

$$5 \times 2 = 10$$



 There are 4 rows of 4.

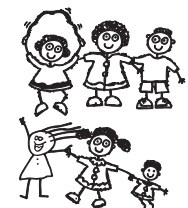
There are 16 in total.

$$4 \times 4 = 16$$

There are 2 rows of 3.

There are 6 in total.

$$2 \times 3 = 6$$



41

$1 \times 10 = 10$

$2 \times 2 = 4$

$7 \times 2 = 14$

$4 \times 3 = 12$

$5 \times 2 = 10$

42

$5 \times 3 = 15$

$2 \times 9 = 18$

$3 \times 3 = 9$

$5 \times 4 = 20$

$2 \times 4 = 8$

43

Write in the missing numbers.

Double 6 is 12

Double 4 is 8

Double 3 is 6

Double 9 is 18

Double 5 is 10

Double 1 is 2

Double 8 is 16

Double 7 is 14

44

Half 4 is 2

Half 8 is 4

Half 10 is 5

Half 6 is 3

Half 6 is 3

Half 20 is 10

45

Put the same number of objects into each box.



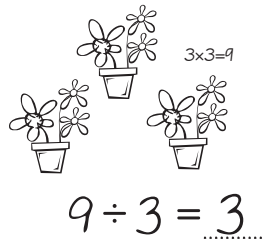
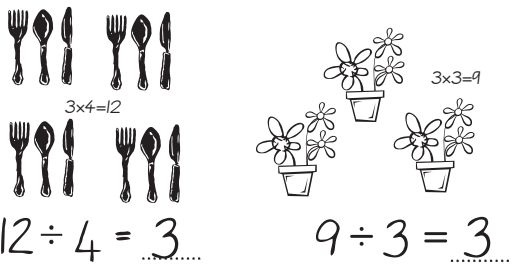
46

Put the same number of objects into each box.



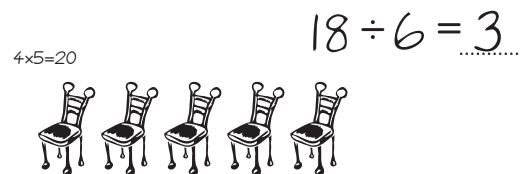
47

Try these divisions.



48

More divisions.



49

THE GREAT MOUNTAIN BIKE CHALLENGE Fill in all the missing spaces.

5

6

10

20

13

1

4

10

5

50

THE GREAT MOUNTAIN SKI CHALLENGE Fill in all the missing spaces.

20

10

5

8

10

20

51

Fill in the blanks.

$2 + \underline{\quad} = 8$

$3 + 4 = \underline{\quad}$ $\underline{\quad} + 5 = 12$

$10 - 7 = \underline{\quad}$ $8 - \underline{\quad} = 1$

$2 \times \underline{\quad} = 10$ $2 \times 3 = \underline{\quad}$

$3 \times \underline{\quad} = 12$ $6 \div \underline{\quad} = 3$

$6 \div 3 = \underline{\quad}$

52

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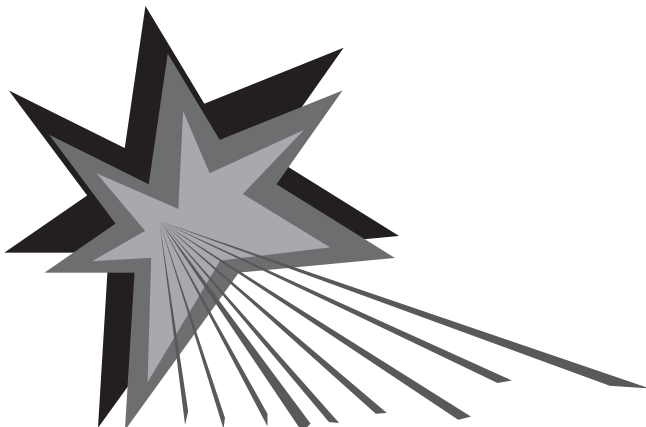
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