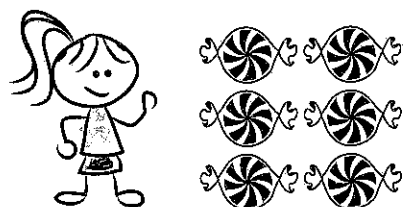


Dividing by 1

1 Calculate the number of sweets.

- a) There are 6 sweets. The sweets are shared equally between 1 person.



How many sweets does the person receive?

$$\square \div \square = \square$$

The person receives \square sweets.

- b) There are 6 sweets. The sweets are shared between 6 people.



How many sweets does each person receive?

$$\square \div \square = \square$$

Each person receives \square sweet.

2 What mistake has Amelia made?

$$4 \div 4 = 0$$



Amelia

3 Circle the calculations that have an answer of 1.

$8 \div 8$

$8 \div 1$

$5 \div 5$

$16 \div 16$

$20 \div 2$

$7 \div 7$

$2 \div 1$

$150 \div 150$

4 a) Find the solutions to these calculations.

$3 \div 1 = \square$

$4 \div 1 = \square$

$5 \div 1 = \square$

$10 \div 1 = \square$

$14 \div 1 = \square$

$20 \div 1 = \square$

Use the calculations to complete the following sentence.

When you divide a number by 1 _____

b) Find the solutions to these calculations.

$3 \div 3 = \square$

$4 \div 4 = \square$

$5 \div 5 = \square$

$10 \div 10 = \square$

$14 \div 14 = \square$

$20 \div 20 = \square$

Use the calculations to complete the following sentence.

When you divide a number by itself _____

5 Fill in the missing numbers to make the calculations correct.

a) $11 \div 1 = \square$

d) $9 \div \square = 9$

g) $\square \div 1 = 0$

b) $11 \div 11 = \square$

e) $12 \div \square = 1$

h) $8 \div \square = 7 \div 7$

c) $\square = 25 \div 25$

f) $\square \div 1 = 70$

6 The square and the pentagon represent numbers. Look at the number sentence then tick the correct statement.

$\square \div 1 > \square \div 1$

CHALLENGE

The square is equal to the pentagon. ☐

The square is greater than the pentagon. ☐

The pentagon is greater than the square. ☐

Explain your answer.

Reflect

$\square \div \square = 1$

$\square \div 1 = \square$

Look at the two calculations above. What can you say about the numbers that go in each of the boxes?

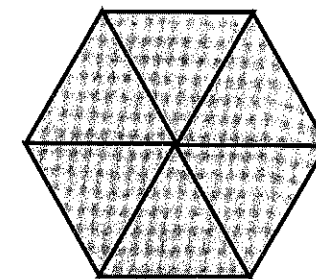
2 Alex has 48 triangles.

6 triangles are put together to make a hexagon.

How many hexagons can Alex make in total?

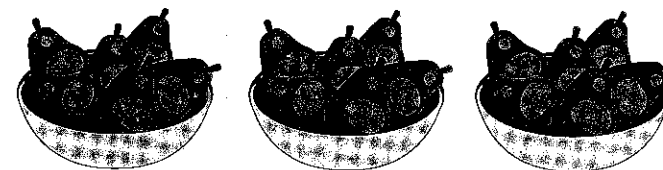
$\square \div \square = \square$

Alex can make hexagons.



Multiplying and dividing by 6

1 a) How many pears are there in total?



$\square \times \square = \square$

There are pears in total.

b) How many flowers are there in total?



$\square \times \square = \square$

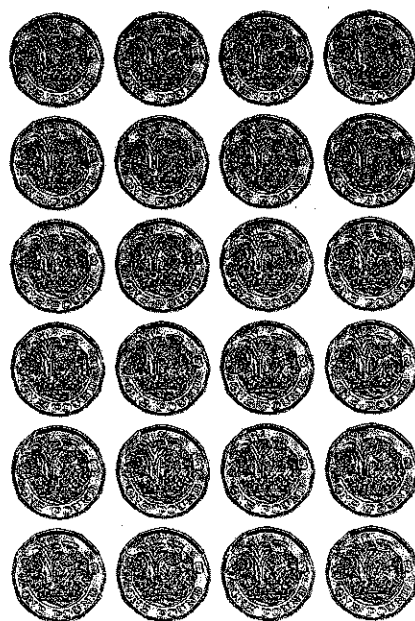
There are flowers in total.

3 £24 is shared between 6 people.



How much does each person receive?

Each person receives £ .



4 A group of 6 people are flying from the UK to France and then to Canada.

a) Each flight to France costs £90.

How much do the flights to France cost in total for the group?

=

The total cost of the flights to France is £ .

b) The flights from France to Canada cost £1,800 in total.

How much does each person's flight cost?

=

Each flight to Canada costs £ .

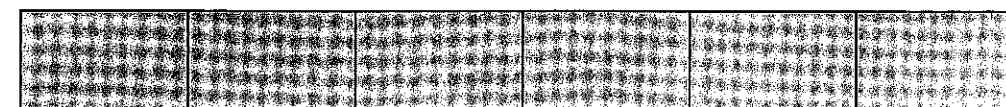
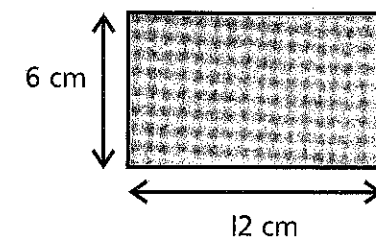
c) How much does each person pay in total for their flights?

=

The total cost for each person is £ .

5 A rectangle has a length of 12 cm and width of 6 cm.

6 rectangles are used to make a longer rectangle.



What is the perimeter of the new shape above?

The perimeter of a shape is the length all the way around the outside.



The perimeter of the new shape is cm.

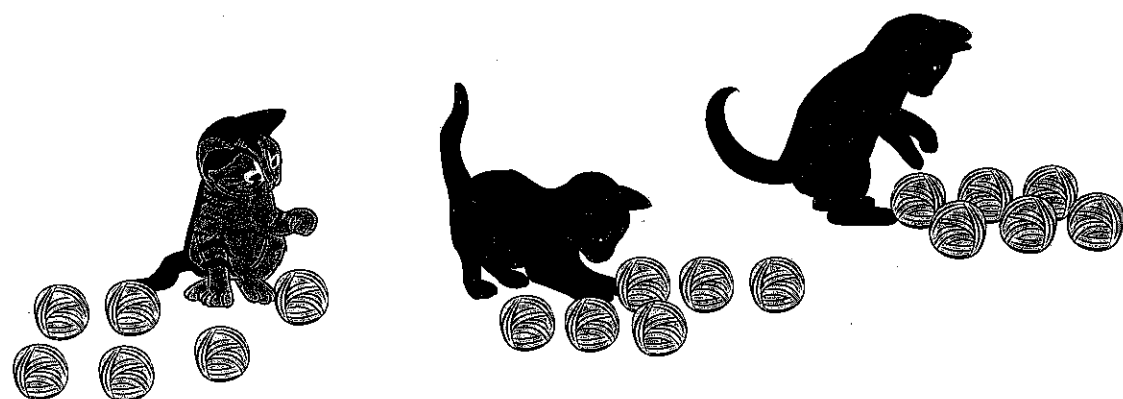
Reflect

Draw or write your own story involving multiplication or division by 6. Ask your partner to find the solution to it.

6 times-table

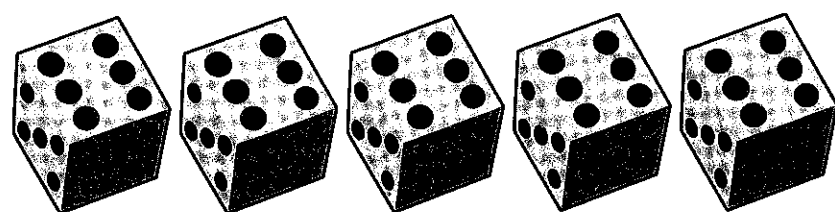
1 Which 6 times-table facts do these pictures show?

a)



$$\square \times \square = \square$$

b)



$$\square \times \square = \square$$

2 Find the solution to these calculations.

a) $3 \times 6 = \square$

f) $0 = 6 \times \square$

k) $42 \div 6 = \square$

b) $1 \times 6 = \square$

g) $\square \times 6 = 24$

l) $\square = 66 \div 6$

c) $6 \times 6 = \square$

h) $9 \times 6 = \square$

m) $\square \div 6 = 0$

d) $12 \times 6 = \square$

i) $6 \div 6 = \square$

n) $\square \div 6 = 1$

e) $\square = 6 \times 10$

j) $24 \div 6 = \square$

o) $\square \div 10 = 6$

3 Fill in the missing numbers.

a)

6	12	18				42	
---	----	----	--	--	--	----	--

b)

60				36		
----	--	--	--	----	--	--

c) 0, 60, 120, _____, _____, _____, _____

4 Circle all of the numbers in the 6 times-table.

60	6	0	2	1	15	28	200	120	126
----	---	---	---	---	----	----	-----	-----	-----

5 $12 \times 6 = 72$

Use this to work out 13×6 .

$13 \times 6 = \square$

6 Complete each calculation using $<$, $>$ or $=$



a) $2 \times 6 \bigcirc 10$

d) $18 \div 6 \bigcirc 24 \div 6$

b) $36 \div 6 \bigcirc 30$

e) $9 \times 6 \bigcirc 6 \times 9$

c) $5 \times 6 \bigcirc 7 \times 6$

f) $15 \times 6 \bigcirc 6 \times 12$

7 Complete the number sentences.

a) $4 \times 6 = \boxed{}$

$40 \times 6 = \boxed{}$

$400 \times 6 = \boxed{}$

$6 \times 40 = \boxed{}$

b) $900 \times 6 = \boxed{}$

$6 \times 70 = \boxed{}$

$50 \times 6 = \boxed{}$

$\boxed{} \times 6 = 1,200$

8 a) How can you use the answer to 8×3 to work out 8×6 ?

CHALLENGE

b) How can you use the answer to 8×5 to work out 8×6 ?

Reflect

How fast can you complete the 6 times-table?

$0 \times 6 = \boxed{}$	$1 \times 6 = \boxed{}$	$2 \times 6 = \boxed{}$	$3 \times 6 = \boxed{}$
$4 \times 6 = \boxed{}$	$5 \times 6 = \boxed{}$	$6 \times 6 = \boxed{}$	$7 \times 6 = \boxed{}$
$8 \times 6 = \boxed{}$	$9 \times 6 = \boxed{}$	$10 \times 6 = \boxed{}$	$11 \times 6 = \boxed{}$
$12 \times 6 = \boxed{}$	Time taken: _____		

Circle the answers you knew without having to work them out.