

# 6 times-table and division facts

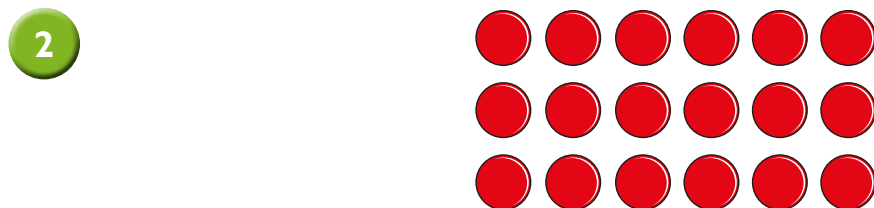
1 Write the multiplication fact to work out how many there are in total.



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



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



Complete the facts represented by the array.

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

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

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

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

3 Fill in the gaps.

3 times-table

$$0 \times 3 = \square$$

$$1 \times 3 = 3$$

$$2 \times 3 = 6$$

$$3 \times 3 = 9$$

$$4 \times 3 = \square$$

$$5 \times 3 = \square$$

$$6 \times 3 = 18$$

6 times-table

$$0 \times 6 = \square$$

$$1 \times 6 = \square$$

$$2 \times 6 = 12$$

$$3 \times 6 = \square$$

$$4 \times 6 = 24$$

$$5 \times 6 = \square$$

$$6 \times 6 = \square$$

What patterns can you see?

Talk about it with a partner.

4 Complete the number tracks.

|    |    |  |  |  |    |    |  |
|----|----|--|--|--|----|----|--|
| 30 | 36 |  |  |  | 60 | 66 |  |
|----|----|--|--|--|----|----|--|

|    |    |    |  |  |  |  |
|----|----|----|--|--|--|--|
| 36 | 30 | 24 |  |  |  |  |
|----|----|----|--|--|--|--|

5 Complete the calculations.

a)  $3 \times 6 = \square$

g)  $6 \times 6 = \square$

b)  $2 \times \square = 12$

h)  $\square \div 6 = 7$

c)  $6 \times 4 = \square$

i)  $6 \times \square = 48$

d)  $\square \div 6 = 1$

j)  $\square \div 6 = 11$

e)  $11 \times 6 = \square$

k)  $10 \times 6 = \square$

f)  $\square \times 6 = 30$

l)  $\square \times 3 = 30$

6 Colour the multiples of 6

|    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|
| 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |

Use the grid to complete the calculations.

$72 \div 6 = \square$

$78 \div 6 = \square$



7 Sort the number cards into the diagram.

|    |    |    |    |    |   |    |    |
|----|----|----|----|----|---|----|----|
| 18 | 15 | 36 | 16 | 20 | 6 | 72 | 63 |
|----|----|----|----|----|---|----|----|

|              | Multiples of 6 | Not multiples of 6 |
|--------------|----------------|--------------------|
| Even numbers |                |                    |
| Odd numbers  |                |                    |

Are any of the boxes empty?

Compare answers with a partner.

8 Jack is thinking of two whole numbers.

The sum of the numbers is 13

The difference between the numbers is 1

What is the product of the numbers?

The product of the numbers is  $\square$

