

6 times-table and division facts

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

a)



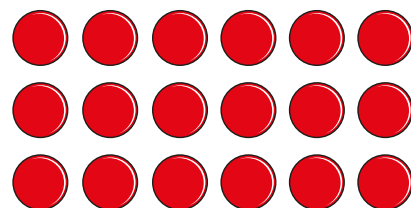
$$\boxed{4} \times \boxed{6} = \boxed{24}$$

b)



$$\boxed{7} \times \boxed{6} = \boxed{42}$$

2



Complete the facts represented by the array.

$$\boxed{3} \times \boxed{6} = \boxed{18}$$

$$\boxed{6} \times \boxed{3} = \boxed{18}$$

$$\boxed{18} \div \boxed{3} = \boxed{6}$$

$$\boxed{18} \div \boxed{6} = \boxed{3}$$

3

Fill in the gaps.

3 times-table

$$0 \times 3 = \boxed{0}$$

$$1 \times 3 = 3$$

$$2 \times 3 = 6$$

$$3 \times 3 = 9$$

$$4 \times 3 = \boxed{12}$$

$$5 \times 3 = \boxed{15}$$

$$6 \times 3 = 18$$

6 times-table

$$0 \times 6 = \boxed{0}$$

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

$$2 \times 6 = 12$$

$$3 \times 6 = \boxed{18}$$

$$4 \times 6 = 24$$

$$5 \times 6 = \boxed{30}$$

$$6 \times 6 = \boxed{36}$$

What patterns can you see?

Talk about it with a partner.

4

Complete the number tracks.

30	36	42	48	54	60	66	72
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36	30	24	18	12	6	0
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5 Complete the calculations.

a) $3 \times 6 = 18$

g) $6 \times 6 = 36$

b) $2 \times 6 = 12$

h) $42 \div 6 = 7$

c) $6 \times 4 = 24$

i) $6 \times 8 = 48$

d) $6 \div 6 = 1$

j) $66 \div 6 = 11$

e) $11 \times 6 = 66$

k) $10 \times 6 = 60$

f) $5 \times 6 = 30$

l) $10 \times 3 = 30$

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.

$72 \div 6 = 12$

$78 \div 6 = 13$

7 Sort the number cards into the diagram.

18	15	36	16	20	6	72	63
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	Multiples of 6	Not multiples of 6
Even numbers	18 36 6 72	16 20
Odd numbers		15 63

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 42

