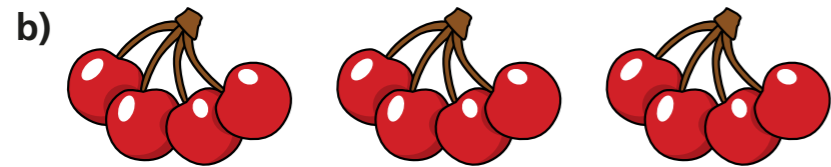# The 3 times-table

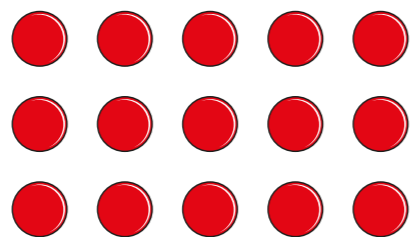**1** Complete the multiplications.

a)

$$\boxed{8} \times \boxed{3} = \boxed{24}$$

b)

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

2 Dani makes an array using counters.

Write two multiplication and two division facts represented by the array.

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

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

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

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

3 Complete the number sentences.

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

d) $\boxed{15} \div 3 = 5$

b) $3 \times \boxed{9} = 27$

e) $12 \times 3 = \boxed{36}$

c) $\boxed{33} \div 11 = 3$

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

4 Complete the number sentences.

a) $2 \times 3 = \boxed{6}$

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

$8 \times 3 = \boxed{24}$

b) $6 = 3 \times \boxed{2}$

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

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

What patterns do you notice?

5 Write <, > or = to compare the statements.

a) $33 \div 11 \enspace \boxed{=} \enspace 3$

d) $6 \times 3 \enspace \boxed{>} \enspace 6 \div 3$

b) $27 \enspace \boxed{>} \enspace 30 \div 3$

e) $3 \times 6 \enspace \boxed{>} \enspace 18 \div 3$

c) $9 \div 3 \enspace \boxed{<} \enspace 3 \times 6$

f) $0 \times 3 \enspace \boxed{<} \enspace 3 \div 3$

6 Colour all the numbers in the 3 times-table.

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

What two patterns do you notice?

7 Work out the missing values in each bar model.

a)

18					
3	3	3	3	3	3

b)

36		
12	12	12
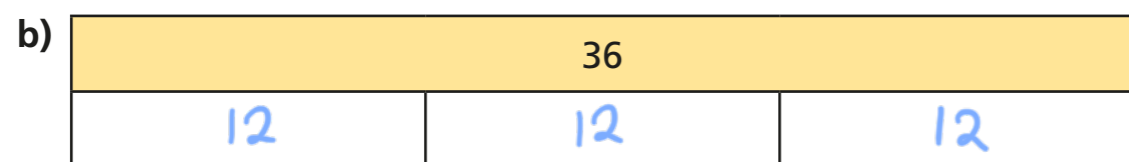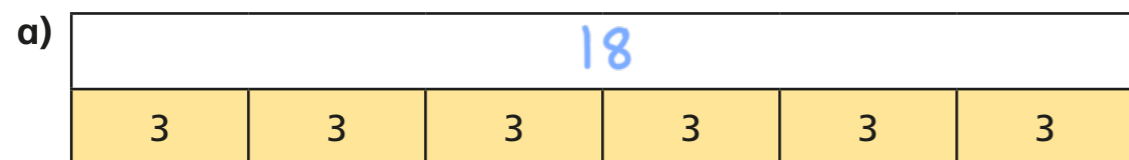
8 Mo has 7 packets of 3 stickers.

Eva has 3 packets of 9 stickers.

Who has the greatest number of stickers? __Eva__

9 a) Complete the multiplications.

Are the answers odd or even? Tick your answer.

	odd	even
$1 \times 3 = 3$	✓	☐
$2 \times 3 = \boxed{6}$	☐	✓
$3 \times 3 = \boxed{9}$	✓	☐
$\boxed{4} \times 3 = 12$	☐	✓

b) What would the next multiplication be?

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

c) What do you notice about the products?

d) Will the product of 11×3 be odd or even? __Odd__

10 Use the fact that $12 \times 3 = 36$ to work out the calculations.

$13 \times 3 = \boxed{39}$

$3 \times 15 = \boxed{45}$

$14 \times 3 = \boxed{42}$

$24 \times 3 = \boxed{72}$

How did you work this out?

Did you find the answers in the same way as your partner?