

The 3 times-table

1 Complete the multiplications.

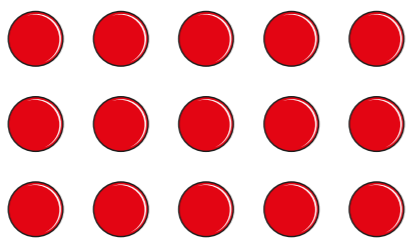


$$\boxed{8} \times \boxed{3} = \boxed{24}$$



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

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

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

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

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

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

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

What patterns do you notice?

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

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

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

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

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

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

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



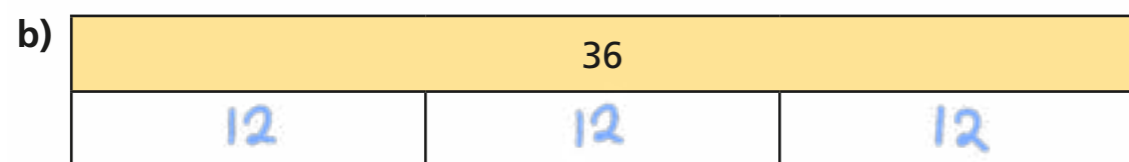
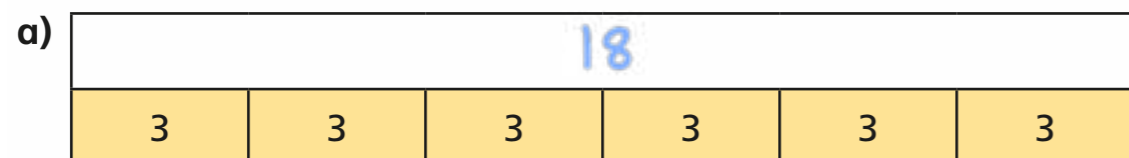
6 Colour all the numbers in the 3 times-table.

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.



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
$1 \times 3 = 3$	<input checked="" type="checkbox"/>	<input type="checkbox"/>
$2 \times 3 = 6$	<input type="checkbox"/>	<input checked="" type="checkbox"/>
$3 \times 3 = 9$	<input checked="" type="checkbox"/>	<input type="checkbox"/>
$4 \times 3 = 12$	<input type="checkbox"/>	<input checked="" type="checkbox"/>

b) What would the next multiplication be?

$5 \times 3 = 15$

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.

$13 \times 3 = 39$

$3 \times 15 = 45$

$14 \times 3 = 42$

$24 \times 3 = 72$

How did you work this out?

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

