The 3 times-table

1 Complete the multiplications.

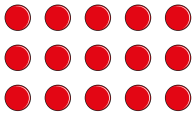
a)

☐ × ☐ = ☐

b)

☐ × ☐ = ☐

2 Dani makes an array using counters.



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

☐ × ☐ = ☐

☐ × ☐ = ☐

☐ ÷ ☐ = ☐

☐ ÷ ☐ = ☐

3 Complete the number sentences.

a) 6 × 3 = ☐

b) 3 × ☐ = 27

c) ☐ ÷ 11 = 3

d) ☐ ÷ 3 = 5

e) 12 × 3 = ☐

f) ☐ × 3 = 0

4 Complete the number sentences.

a) 2 × 3 = ☐

4 × 3 = ☐

8 × 3 = ☐

b) 6 = 3 × ☐

12 = 3 × ☐

18 = 3 × ☐

What patterns do you notice?

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

a) 33 ÷ 11 ◯ 3

b) 27 ◯ 30 ÷ 3

c) 9 ÷ 3 ◯ 3 x 6

d) 6 x 3 ◯ 6 ÷ 3

e) 3 x 6 ◯ 18 ÷ 3

f) 0 x 3 ◯ 3 ÷ 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)

3	3	3	3	3	3	

b)

36			

8 Mo has 7 packets of 3 stickers.

Eva has 3 packets of 9 stickers.

Who has the greatest number of stickers? _____

9 **a)** Complete the multiplications.

Are the answers odd or even? Tick your answer.

	odd	even
1 × 3 = 3	☐	☐
2 × 3 = ☐	☐	☐
3 × 3 = ☐	☐	☐
☐ × 3 = 12	☐	☐

b) What would the next multiplication be?

☐ × 3 = ☐

c) What do you notice about the products?

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

10 Use the fact that 12 × 3 = 36 to work out the calculations.

13 × 3 = ☐

3 × 15 = ☐

14 × 3 = ☐

24 × 3 = ☐

How did you work this out?

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