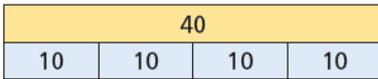


1 How many cookies are there?

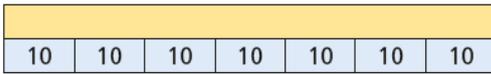


2 Write a multiplication fact to match the bar model.

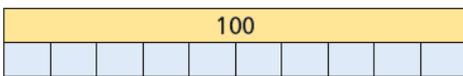
a)



b)



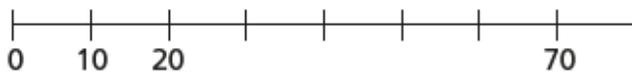
c)



3 Draw a bar model to represent  $5 \times 10$



4 a) Complete the number line.



b) Which times-table does the number line show?

10 times-table    5 times-table    1 times-table

How do you know?

5 Complete the number sentences.

a)  $2 \times 10 = \square$

f)  $\square = 10 \times 10$

b)  $\square = 7 \times 10$

g)  $10 \times \square = 10$

c)  $10 \times 4 = \square$

h)  $10 \times 0 = \square$

d)  $10 \times \square = 110$

i)  $30 = 10 \times \square$

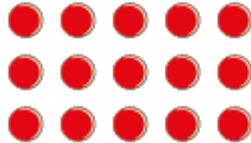
e)  $80 = \square \times 10$

j)  $\square \times 10 = 90$

1 What multiplications are represented?



2 Dani makes an array using counters.



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

Complete the number sentences.

1 triangle has 3 sides.

3 triangles have \_\_\_ sides.

\_\_\_ triangles have 6 sides.

\_\_\_ triangles have 3 sides.

$$1 \times 3 = 3$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = 6$$

$$\underline{\quad} \times \underline{\quad} = 15$$



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?

Complete the number sentences.

a)  $6 \times 3 = \square$       c)  $\square + 11 = 3$       e)  $12 \times 3 = \square$   
 b)  $3 \times \square = 27$       d)  $\square + 3 = 5$       f)  $\square \times 3 = 0$

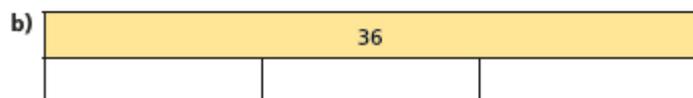
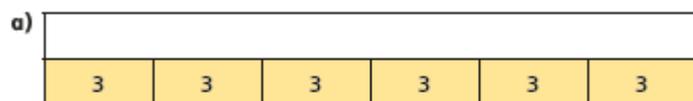
Complete the number sentences.

a)  $2 \times 3 = \square$       b)  $6 = 3 \times \square$   
 $4 \times 3 = \square$        $12 = 3 \times \square$   
 $8 \times 3 = \square$        $18 = 3 \times \square$

Fill in the missing number facts.

$$\begin{array}{ll} 1 \times 3 = \underline{\quad} & \underline{\quad} \times 3 = 30 \\ 2 \times \underline{\quad} = 6 & 8 \times \underline{\quad} = 24 \\ \underline{\quad} = 3 \times 3 & 6 \times 3 = \underline{\quad} \\ 9 \times 3 = \underline{\quad} & 21 = \underline{\quad} \times 3 \end{array}$$

Work out the missing values in each bar model.



Mo has 7 packets of 3 stickers.

Eva has 3 packets of 9 stickers.

Who has the greatest number of stickers?

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

a)  $33 \div 11$    $3$     c)  $9 \div 3$    $3 \times 6$     e)  $3 \times 6$    $18 \div 3$   
 b)  $27$    $30 \div 3$     d)  $6 \times 3$    $6 \div 3$     f)  $0 \times 3$    $3 \div 3$

a) Complete the multiplications.

Are the answers odd or even?

$$1 \times 3 = 3$$

$$2 \times 3 = \square$$

$$3 \times 3 = \square$$

$$\square \times 3 = 12$$

b) What would the next multiplication be?

c) What do you notice about the products?

d) Will the product of  $11 \times 3$  be odd or even?

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

$$13 \times 3 \qquad 3 \times 15 \qquad 14 \times 3 \qquad 24 \times 3$$

How did you work this out?

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

Tick the number sentences that can be solved using the image.



$$12 \div 3 = 4$$

$$12 \div 4 = 3$$

$$4 \times 3 = 12$$

$$3 \times 12 = 4$$

$$3 \div 4 = 12$$

$$3 \times 4 = 12$$

Start this rhythm:

Clap, clap, click, clap, clap, click.

Carry on the rhythm, what will you be doing on the 15th beat?

How do you know?

What will you be doing on the 20th beat?

Explain your answer.