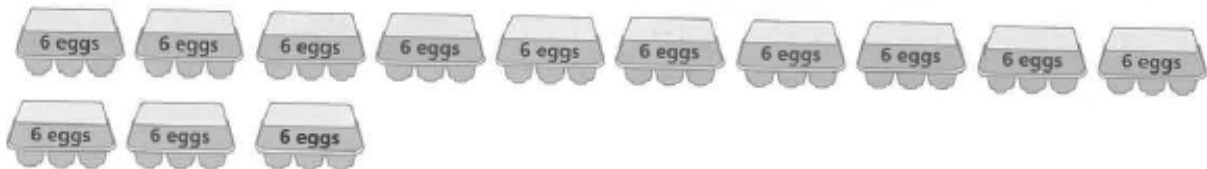


Using written methods to multiply

1 How many eggs are there in total?

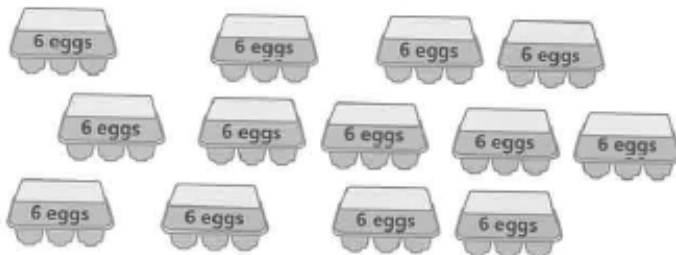
a)



$$\begin{aligned} & \square \times \square + \square \times \square \\ & = \square + \square \\ & = \square \end{aligned}$$

There are eggs in total.

b)



$$\square \times \square = \square$$

There are eggs in total.

c) What do you notice about your two answers above? Why is this the case?

2 How many beads are there in total?



$$10 \times 3 = \square$$

$$8 \times 3 = \square$$

$$\square + \square = \square$$

$$\text{So, } 18 \times 3 = \square$$

There are \square beads in total.

3 Complete the multiplication facts.

a) $10 \times 5 = \square$

c) $3 \times 6 = \square$

e) $20 \times 8 = \square$

$7 \times 5 = \square$

$20 \times 6 = \square$

$5 \times 8 = \square$

$17 \times 5 = \square$

$23 \times 6 = \square$

$25 \times 8 = \square$

b) $4 \times 10 = \square$

d) $3 \times 40 = \square$

f) $11 \times 7 = \square$

$4 \times 6 = \square$

$3 \times 5 = \square$

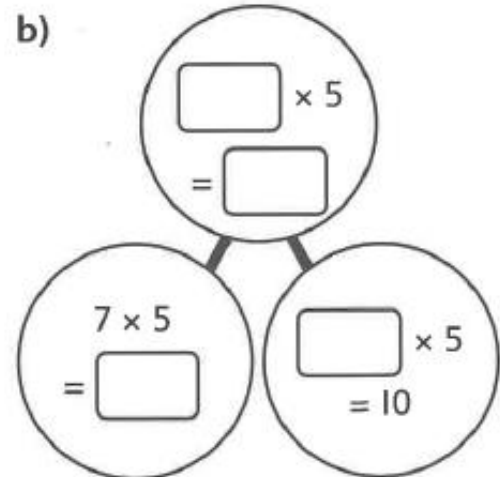
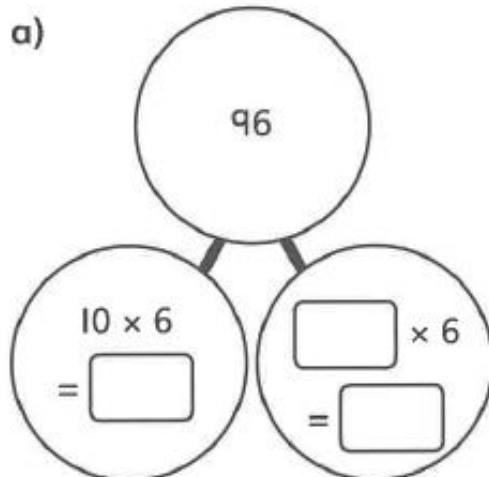
$5 \times 7 = \square$

$4 \times 16 = \square$

$3 \times 45 = \square$

$16 \times 7 = \square$

4 Complete the part-whole models.



5 Complete the calculations.

a) $8 \times 10 + 8 \times 3 = \square \times 13$

b) $9 \times 10 + 9 \times 2 = 9 \times \square$

c) $10 \times 5 + 3 \times 5 = \square \times 5$

d) $7 \times 6 + 10 \times 6 = \square \times \square$

e) $4 \times 10 + 4 \times \square = 4 \times 17$

f) $9 \times 2 + 2 \times 10 = \square \times 2$

g) $3 \times 10 + 3 \times 10 + 3 \times 5 = \square \times \square$

Reflect

Find two ways of working out the total number of pencils.

