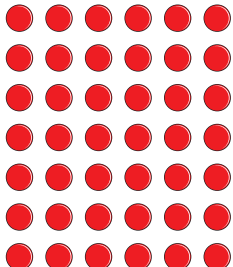
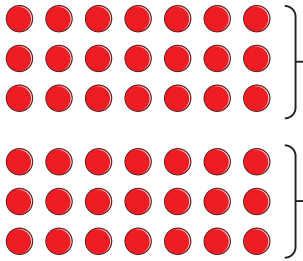


1 Work out the missing numbers.

a)   $7 \times 6 = \square$

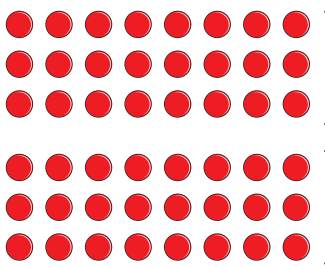
b)   $7 \times 3 = \square$   
 $7 \times 3 = \square$

c) What do you notice about the totals in part a) and part b)?

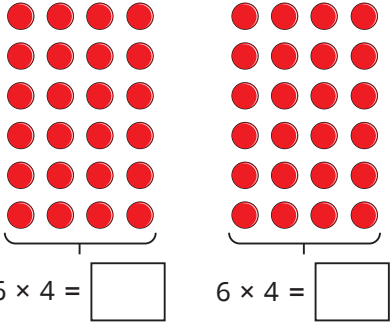
d) Complete the number sentence.

$$7 \times \square = 7 \times \square \times \square$$

2 Use the counters to work out the multiplications.

a)   $8 \times 3 = \square$   
 $8 \times 3 = \square$

$$8 \times 6 = \square \times \square \times \square = \square$$

b)   $8 \times 6 = \square \times \square \times \square$   
 $= \square$   
 $6 \times 4 = \square$   $6 \times 4 = \square$

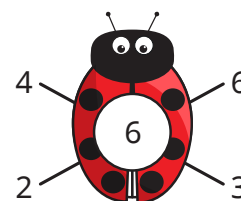
Which method do you prefer?

3 Use counters to complete the multiplications.

a)  $4 \times 6 = \square \times \square \times \square = \square$

b)  $7 \times 9 = \square \times \square \times \square = \square$

4 Dani is working out  $13 \times 6$  using factor pairs.



$$13 \times 6 = 13 \times 3 \times 2$$

$$= 39 \times 2$$

Work out the multiplication.



**b)**

$8 \times 6 = \square \times \square \times \square$   
 $= \square$

$6 \times 4 = \square$        $6 \times 4 = \square$

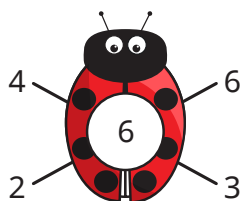
Which method do you prefer?

**3** Use counters to complete the multiplications.

**a)**  $4 \times 6 = \square \times \square \times \square = \square$

**b)**  $7 \times 9 = \square \times \square \times \square = \square$

**4** Dani is working out  $13 \times 6$  using factor pairs.



$13 \times 6 = 13 \times 3 \times 2$   
 $= 39 \times 2$

Work out the multiplication.

**5** Use factor pairs to work out the multiplications.

**a)**

$12 \times 7$

**b)**

$16 \times 5$

Compare answers with a partner.

Did you choose the same factor pairs?

**6** A box of crayons contains 15 crayons.  
 How many crayons are there in 8 boxes?

**7** Tiny is working out  $18 \times 7$

**a)** What mistake has Tiny made?

**b)** Use a factor pair to work out  $18 \times 7$



$18 \times 7 = 10 \times 8 \times 7$   
 $= 10 \times 56$   
 $= 560$

**8** Mo uses a factor pair to work out a multiplication.

$6 \times 2 \times 3$

Write the two different multiplications that Mo could have been working out.

**9** Sam is working out  $18 \times 8$

I know that  
 $12 \times 12$  is 144



Use factor pairs to show how Sam can use this fact to work out  $18 \times 8$