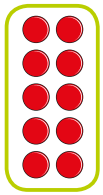
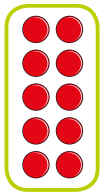
Multiply 3 numbers

1 Tommy is making arrays using counters.

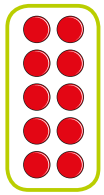
a) Complete the multiplications.



2 × 5 = ☐



2 × 5 = ☐



2 × 5 = ☐

b) Use your answer to part a) to complete the multiplication.

3 × 2 × 5 = ☐ × 5 = ☐

2 Use counters or cubes to complete the calculations.

a) 2 × 4 × 5 **b)** 3 × 5 × 4 **c)** 2 × 5 × 8

Is there a quick way to complete each calculation?

Talk about it with a partner.

3 Complete the multiplications.

a) 3 × 4 × 5

b) 2 × 3 × 8

c) 2 × 4 × 7

d) 3 × 5 × 4

e) 3 × 6 × 10

f) 2 × 5 × 12

4 Is each statement true or false?

7 × 8 = 7 × 4 × 2

12 × 4 = 2 × 4 × 6

3 × 2 × 8 = 5 × 8

2 × 7 × 4 = 4 × 7 × 2

Compare answers with a partner.

5 Here are some digit cards. 3 5 6

a) Use the digit cards to create a multiplication and work out the answer. ☐ × ☐ × ☐ = ☐

b) How many different multiplications can you create?

What do you notice about all of your answers?

6 Eggs are put in boxes in arrays of 2 × 3

Dani buys 12 boxes.

How many eggs does she buy altogether?

Dani buys 5 more boxes.

How many eggs does she have now?

7 **a)** Write 30 as the product of 3 numbers. ☐ × ☐ × ☐ = 30

b) How many different ways can you write the multiplication?

8 Kim rolls three 6-sided dice.

The product of her numbers is 60

a) What numbers could she have rolled?

b) How many different ways could Kim have made 60?
Talk about it with a partner.

c) Roll three dice and find the product of the numbers you roll.

9 In the library there are 5 bookcases.

Each bookcase has 4 shelves.

On each shelf there are 12 books.

How many books are there in the library?