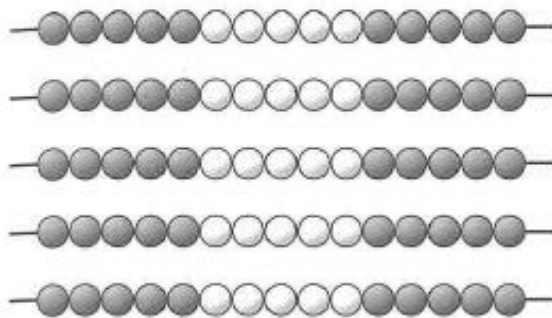


# Multiplying more than two numbers **2**

**1** How many beads are there in total?



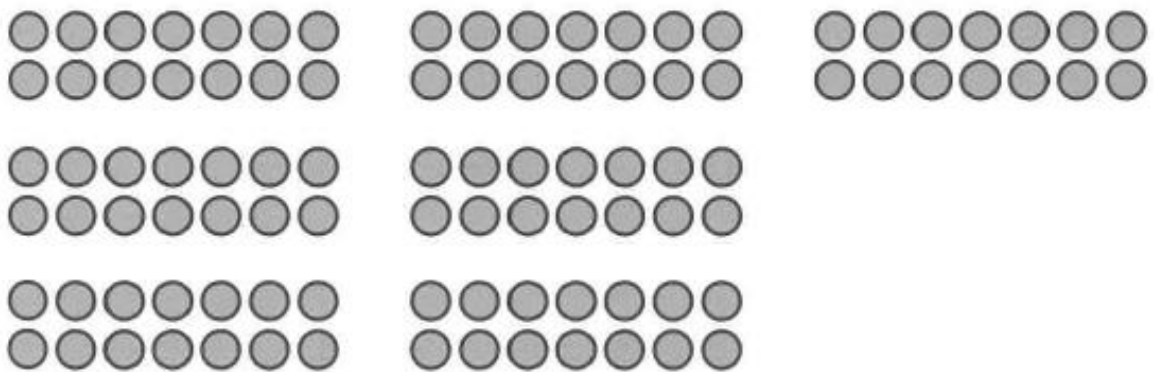
$$\square \times \square \times \square$$

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

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

There are  beads in total.

**2** How many counters are there in total?



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

There are  counters in total.

Explain how you worked out how many counters there are in total.

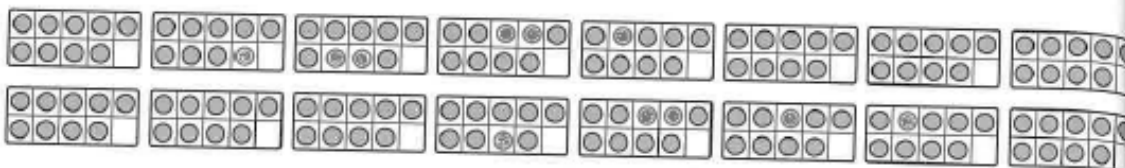
First I \_\_\_\_\_

\_\_\_\_\_

Then I \_\_\_\_\_

\_\_\_\_\_

3



a) Use the ten frames to explain why  $16 \times 9$  is equal to  $2 \times 8 \times 9$ .

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b) How many counters are there in total?



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There are  counters in total.

4

Andy and Reena are trying to work out  $15 \times 8$ .



Andy says that  $15 \times 8$  is the same as  $5 \times 3 \times 8$ .

Reena says that  $5 \times 3 \times 8$  is the same as  $40 \times 3$ .

Explain why Andy and Reena are both correct.

Andy is correct because \_\_\_\_\_

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Reena is correct because \_\_\_\_\_

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5 Complete the method for working out  $35 \times 16$ .

35 is equal to  $5 \times$

16 is equal to  $2 \times$

So, I can work out  $35 \times 16$  by \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

6 a) Find the answer to this calculation:

$$6 \times 2 \times 3 \times 5 \times 4 \times 5 = \text{$$

b) Explain why this is the same as  $12 \times 15 \times 20$ .



**CHALLENGE**

## Reflect

Show why  $3 \times 4 \times 6$  is the same as  $4 \times 3 \times 6$ .



