Multiplication as Repeated Addition

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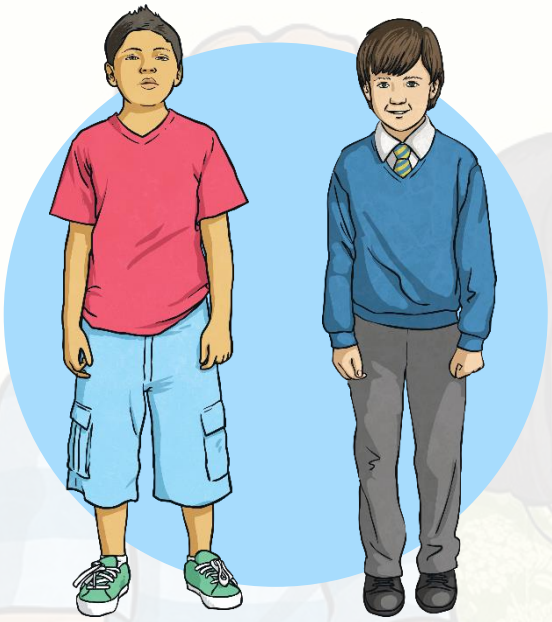
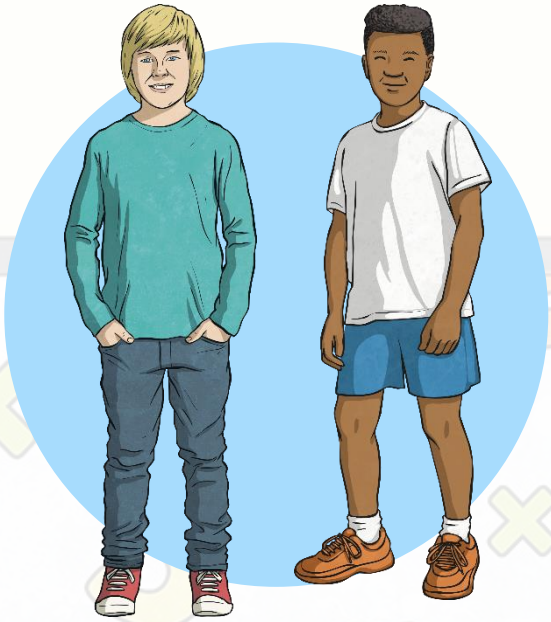
Each boy is wearing 2 shoes. There are 4 boys.



Let's add the shoes.

2 + 2 + 2 + 2 = 8



How many times do you see the number 2?

4

We can write this sum a different way.

4 × 2 = 8

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Each monkey has 2 bananas. There are 6 monkeys.

Addition sentence:	2 + 2 + 2 + 2 + 2 + 2 = 12
Multiplication sentence:	6 × 2 = 12

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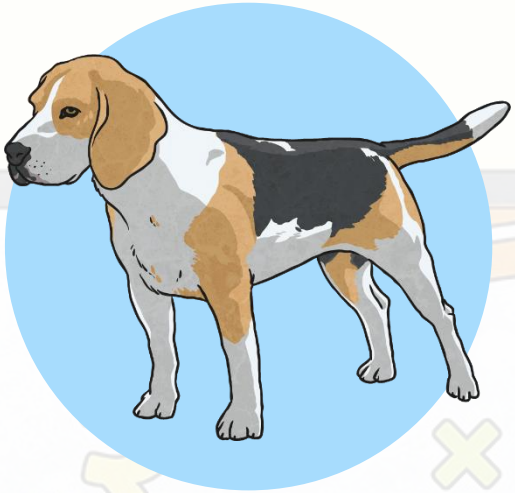
Each dog has 4 legs. There are 3 dogs here.



How do we write this as an **addition** sentence?

4 + 4 + 4 = 12

How do we write it as a **multiplication** sentence?

3 × 4 = 12

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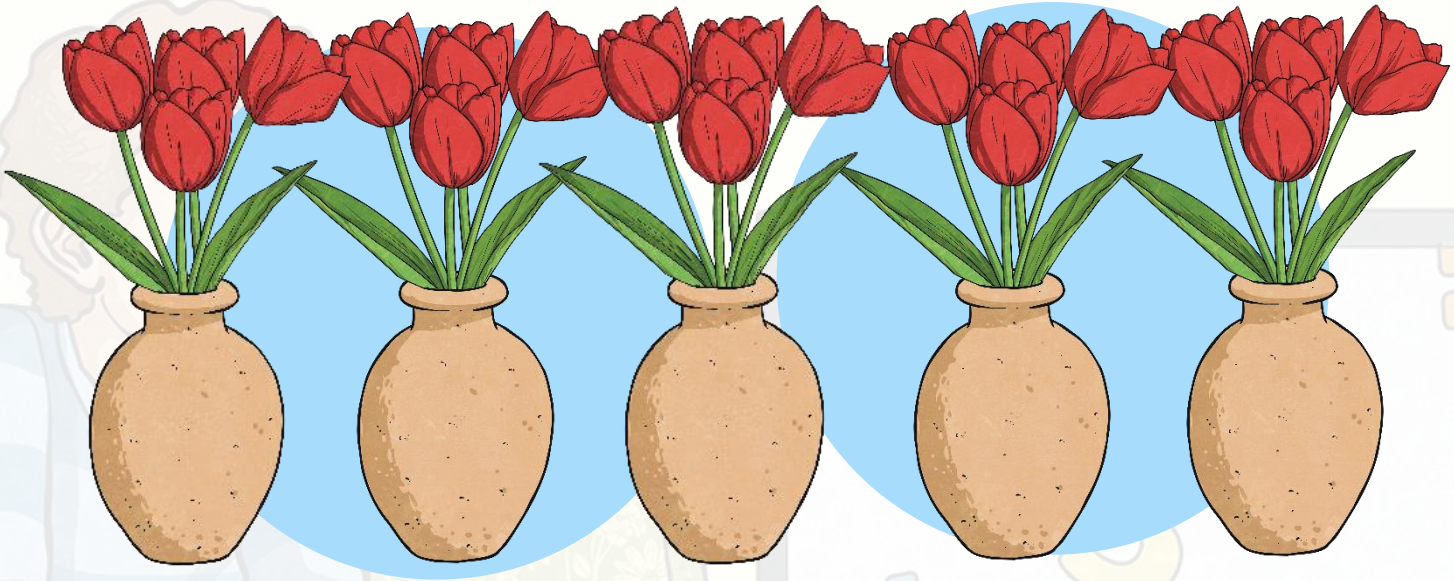
There are 4 flowers in each vase. There are 5 vases here.



How do we write this as an **addition** sentence?

4 + 4 + 4 + 4 + 4 = 20

How do we write it as a **multiplication** sentence?

5 × 4 = 20

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Quick Quiz

Addition	Multiplication	Answer
3 + 3 + 3 + 3 + 3 + 3	6 × 3	18
5 + 5 + 5 + 5 + 5	5 × 5	25
7 + 7 + 7	3 × 7	21
4 + 4 + 4 + 4	4 × 4	16

Reveal answers

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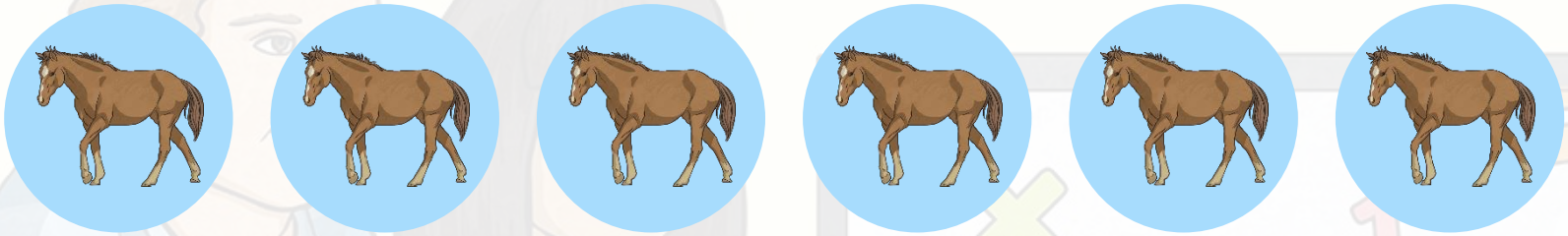
Try these with your partner.

Each horse has 4 legs. There are 6 horses here.



4 + 4 + 4 + 4 + 4 + 4 = **24**

How do you write this as a multiplication sentence? **6 × 4 = 24**

How many legs do the horses have altogether? **24**

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Try these with your partner.

Sam had 3 puppies. Each puppy had 2 toys.

How many toys were there altogether?	**6**
How do you write that as a multiplication sentence?	**3 × 2 = 6**

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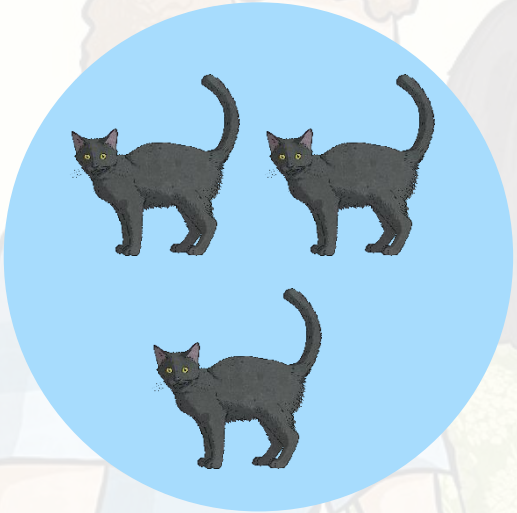
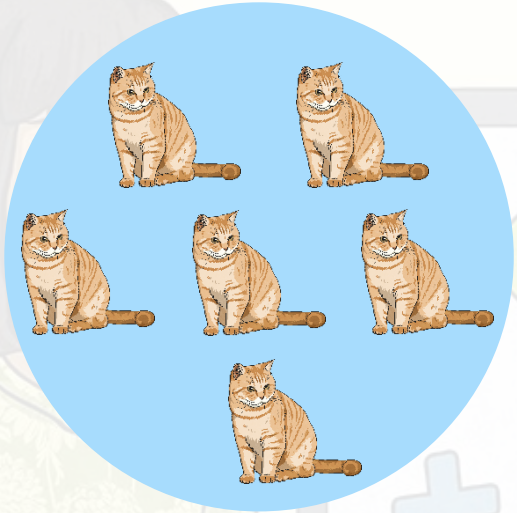
Try these with your partner.

How many legs have...



...3 cats?



...6 cats?

...4 cats?

3 × 4 = 12

6 × 4 = 24

Answers

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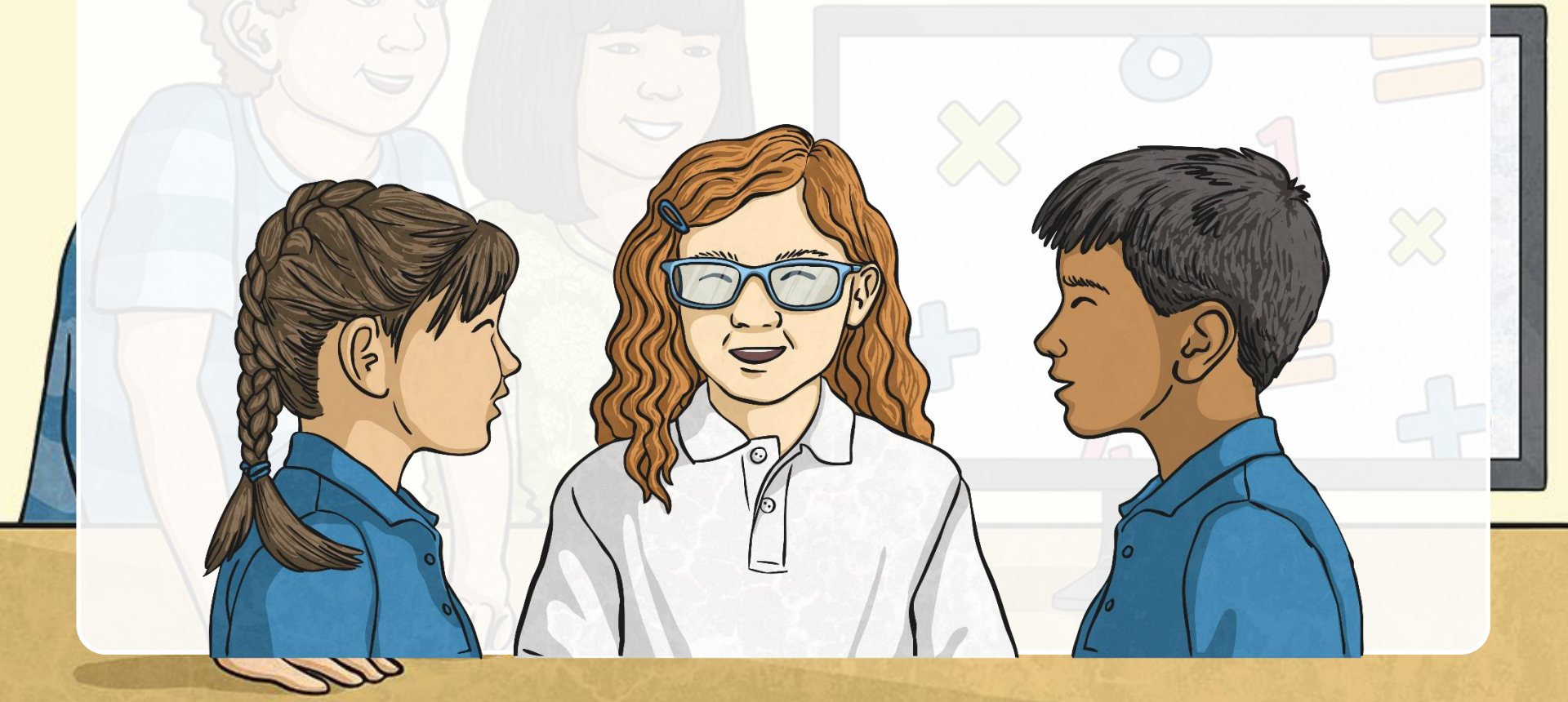
Now come up with your own question and challenge your partner.



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