

MULTIPLICATION

THE SIGN OF
MULTIPLICATION IS



If Amy had 3 cats and each one had 4 legs, how could we find how many legs all the cats had?





=4 legs



=4 legs



+ =4 legs

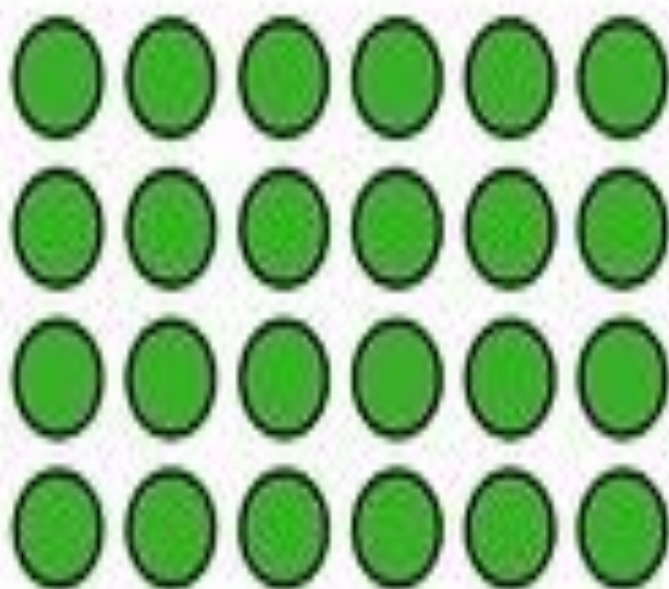
=12 legs

Another way to figure out the answer is to multiply

**Multiplication is a fast way to add equal numbers .
Since all 3 cats have 4 legs , instead of adding them together, we could multiply**

$$4 \times 3 = 12$$

Array:



Multiplication
Expression:

$$4 \times 6$$

Repeated
Addition:

$$6 + 6 + 6 + 6$$

Answer: Product of 24

Possible Strategies 5 X 4

Draw a Picture
(Equal Groups):



Skip Counting:

4, 8, 12, 16, 20

Repeated Addition: $4 + 4 + 4 + 4 + 4$

Array:



So the
Product is:

20

$$5 \times 4 = 20$$

$$3 \times 6 = 18$$



**Any number multiply by
zero is zero**

$$2 \times 0 = 0$$

$$84 \times 0 = 0$$

$$13 \times 0 = 0$$

**Any number multiply by
1 is number it self**

$$15 \times 1 = 15$$

$$84 \times 1 = 84$$

$$36 \times 1 = 36$$