

WALT: Can I scale a range of numbers?

Lesson 2 Week 2

Complete this number sentence...

$$8 \times 6 = \square$$

Now, arrange the cards below so they make sense, using the number sentence above to help you.

8 smaller is 48

6 than times

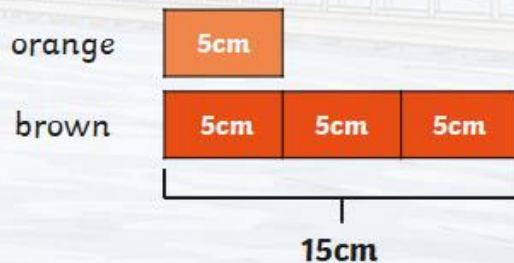
Scaling

When we scale we are multiplying different numbers or amounts to work out the final answer. You might scale a recipe; if it is for 2 people but you want to cook it for 4 people.

Here's an example!

An orange caterpillar is 5cm long. A brown caterpillar is 3 times as long.

Draw a bar model to represent both lengths. Then, write a calculation to find the length of the brown caterpillar.

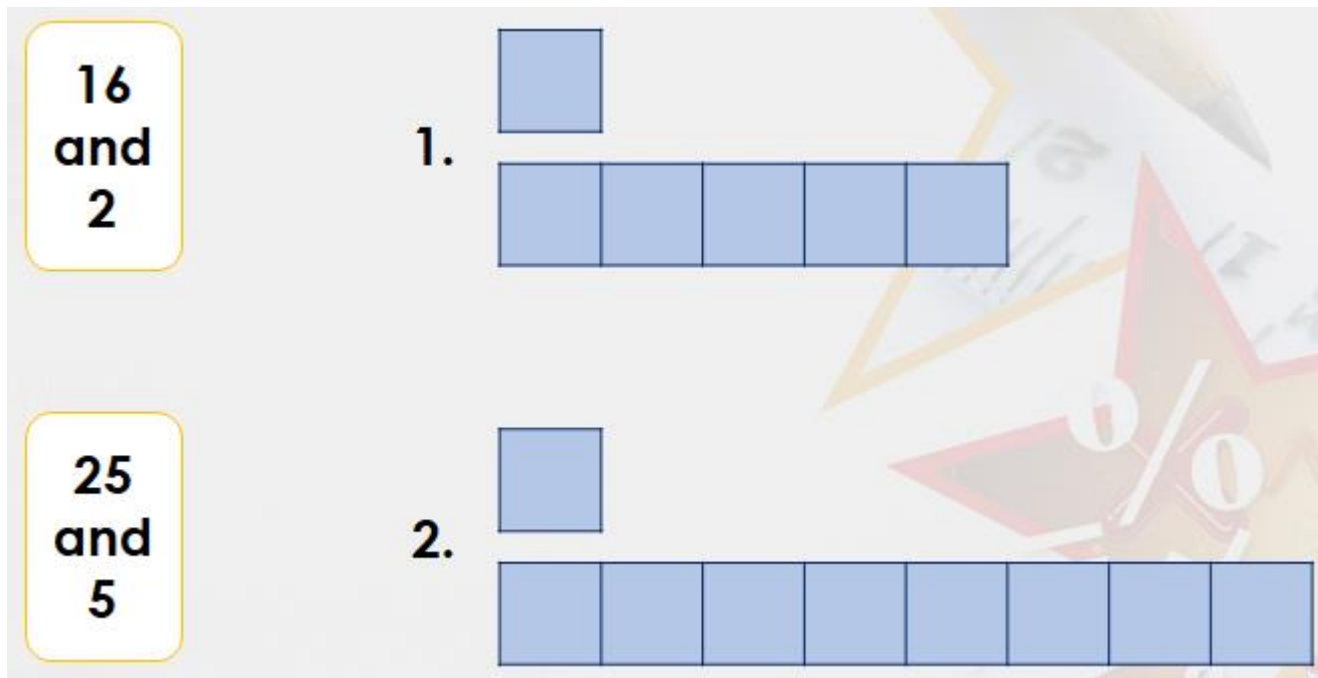


$$5\text{cm} \times 3 = 15\text{cm}$$



Which bar model?

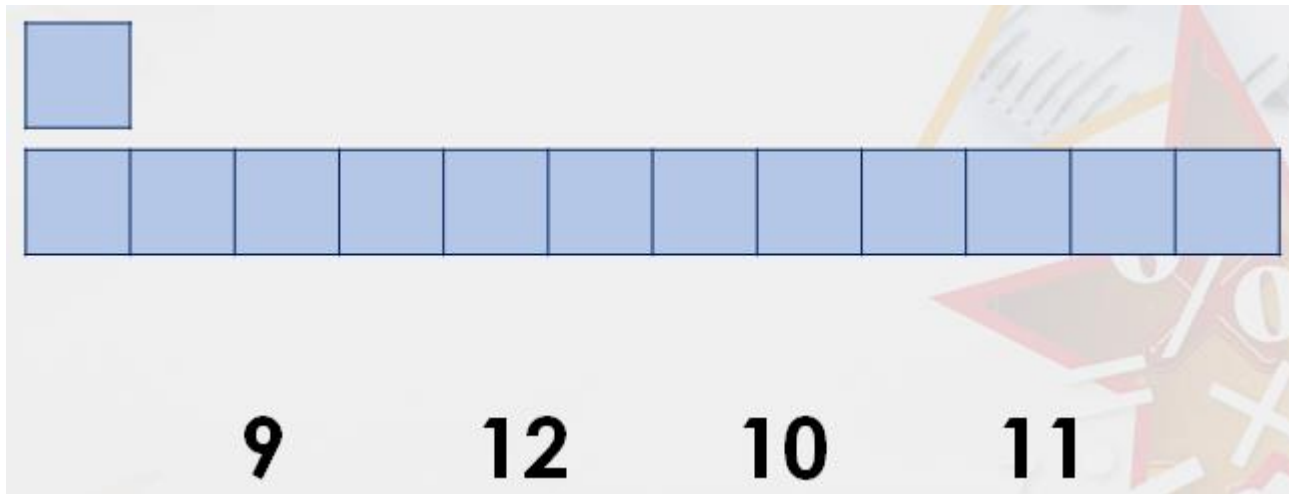
Look at each image and count in either 2s or 5s to see which one adds up to 16 and which one adds up to 25. The 2 and 5 are represented in each problem as the square on it's own.



How many times bigger?

How many times bigger than 3 is 36?

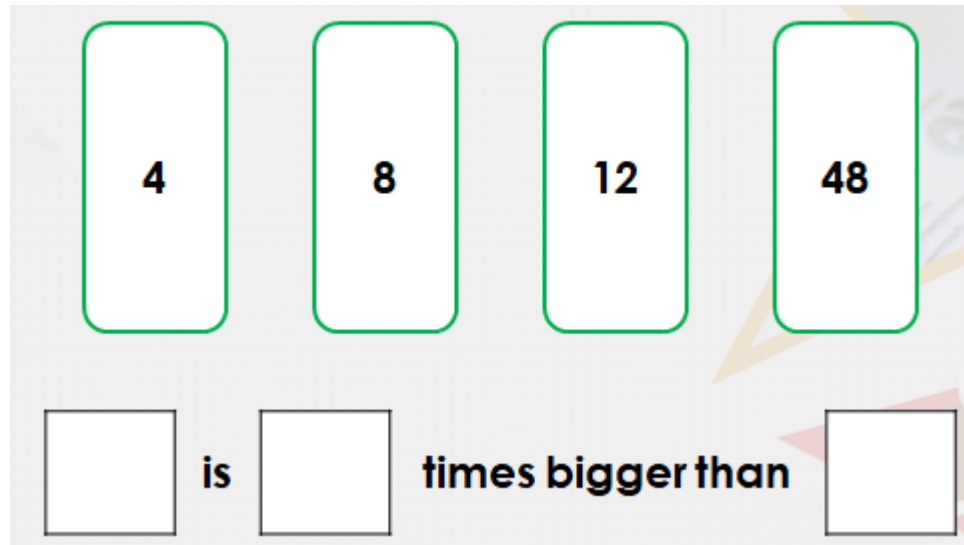
The 3 is represented by the square on it's own.



Reasoning and Problem Solving

Choose from the number cards below to complete the number sentence.

There are 2 possibilities! Can you find both? Make sure you check them to see if they work.

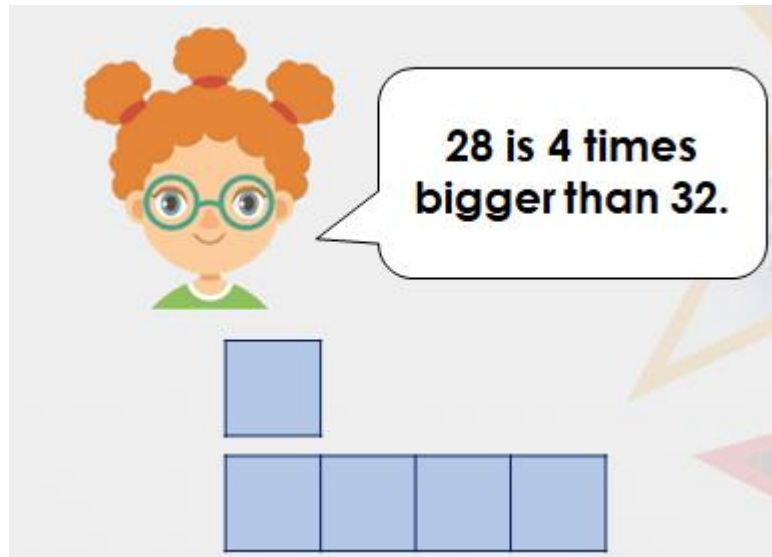


4 8 12 48

[] is [] times bigger than []

Now try this one!

Lila says,



Explain the mistake she has made. What has she done wrong?

Your task!

Now, complete the sheet in your Home learning pack. Can you complete all the questions?!

Scaling

Scaling

Scaling

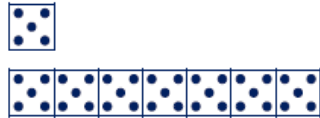
Scaling

1a. Match the pair of numbers with the correct bar model.

A. 21
and
7 1.

B. 36
and
9 2.

2a. How many times bigger than 5 is 35?



Circle the correct answer.

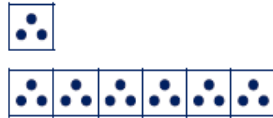
4 7 6 5

1b. Match the pair of numbers with the correct bar model.

A. 20
and
5 1.

B. 18
and
6 2.

2b. How many times smaller than 18 is 3?



Circle the correct answer.

3 6 5 7

1a. Choose from the number cards below to complete the sentence.

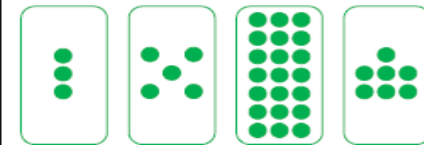


is times smaller than



PS

1b. Choose from the number cards below to complete the sentence.



is times bigger than

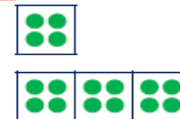


PS

2a. Mia says,



4 is 3 times bigger than 12.



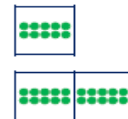
Explain the mistake that she has made.



2b. Imran says,



10 is 2 times smaller than 22.



Explain the mistake that he has made.



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