

WALT: Can I scale a range of numbers?

Lesson 3 Week 2

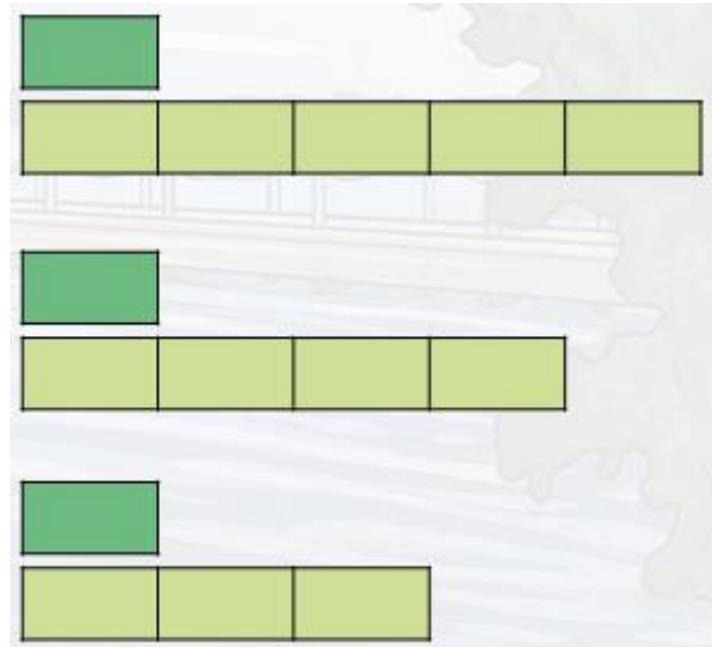
Let's remind ourselves...

Match each bar model to the correct statement. Remember to think about your times tables and how many lots of one number will be in the other.

Leg length: 5cm
Leg length: 15cm

Mass: 20kg
Mass: 100kg

Height: 1m
Height: 4m



True or false?

32 is 4 times bigger than 9?

How can you work this out?

Think about drawing a bar model to help you!

Is $4 \times 9 = 32$?

Let's try this...

Andy saw 7 birds at the park.

Sadia saw 4 times as many birds as him.

How many birds did Sadia see?



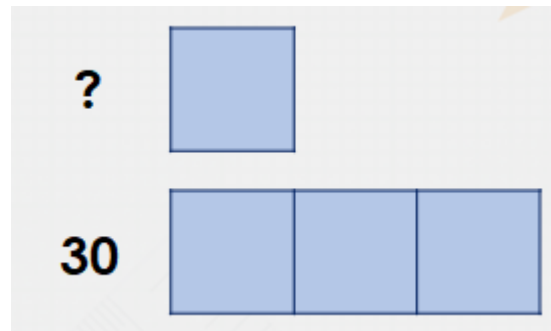
Think about it as a number sentence. What is 4 lots of 7?

Reasoning and Problem Solving

I am thinking of a number.

It is 3 times smaller than 30.

What number am I thinking of?




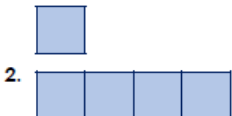


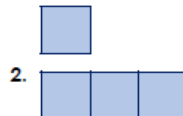





Use your skills of scaling. Something multiplied by 3 makes 30. Use the bar model to help you!

Your task!

Complete the Fluency and Reasoning and Problem solving sheets in your pack for Lesson 3 Week 2. How many problems can you complete?!









Scaling

Scaling

<p>5a. Match the pair of numbers with the correct bar model.</p> <p>A. 30 and 6 1. </p> <p>B. 12 and 3 2. </p> <p> VF</p>	<p>5b. Match the pair of numbers with the correct bar model.</p> <p>A. 12 and 36 1. </p> <p>B. 44 and 11 2. </p> <p> VF</p>
<p>6a. How many times bigger than 4 is 36?</p> <p></p> <p>Circle the correct answer.</p> <p>8 10 9 11</p> <p> VF</p>	<p>6b. How many times smaller than 40 is 8?</p> <p></p> <p>Circle the correct answer.</p> <p>11 5 10 8</p> <p> VF</p>

Scaling

Scaling

<p>4a. Choose from the number cards below to complete the sentence. Find 2 possibilities.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid blue; border-radius: 10px; padding: 10px; margin: 5px;">20</div> <div style="border: 1px solid blue; border-radius: 10px; padding: 10px; margin: 5px;">4</div> <div style="border: 1px solid blue; border-radius: 10px; padding: 10px; margin: 5px;">6</div> <div style="border: 1px solid blue; border-radius: 10px; padding: 10px; margin: 5px;">5</div> </div> <p><input type="text"/> is <input type="text"/> times smaller than <input type="text"/></p> <p> PS</p>	<p>4b. Choose from the number cards below to complete the sentence. Find 2 possibilities.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid blue; border-radius: 10px; padding: 10px; margin: 5px;">3</div> <div style="border: 1px solid blue; border-radius: 10px; padding: 10px; margin: 5px;">4</div> <div style="border: 1px solid blue; border-radius: 10px; padding: 10px; margin: 5px;">9</div> <div style="border: 1px solid blue; border-radius: 10px; padding: 10px; margin: 5px;">27</div> </div> <p><input type="text"/> is <input type="text"/> times bigger than <input type="text"/></p> <p> PS</p>
<p>5a. Kelly says,</p> <div style="display: flex; align-items: center; margin-bottom: 10px;">  <div style="border: 1px solid gray; border-radius: 15px; padding: 5px; font-size: small;">36 is 33 times bigger than 3.</div> </div> <p></p> <p>Explain the mistake that she has made.</p> <p> R</p>	<p>5b. Sam says,</p> <div style="display: flex; align-items: center; margin-bottom: 10px;">  <div style="border: 1px solid gray; border-radius: 15px; padding: 5px; font-size: small;">96 is 8 times smaller than 12.</div> </div> <p></p> <p>Explain the mistake that he has made.</p> <p> R</p>