L.O. To solve correspondence problems

Week 5 - Monday

Starter

- 43 x 10 =
- 5.6 x 10 =
- 0.9 x 100 =
- 56 x 100 =
- 3.5 x 100 =

Answer

Starter

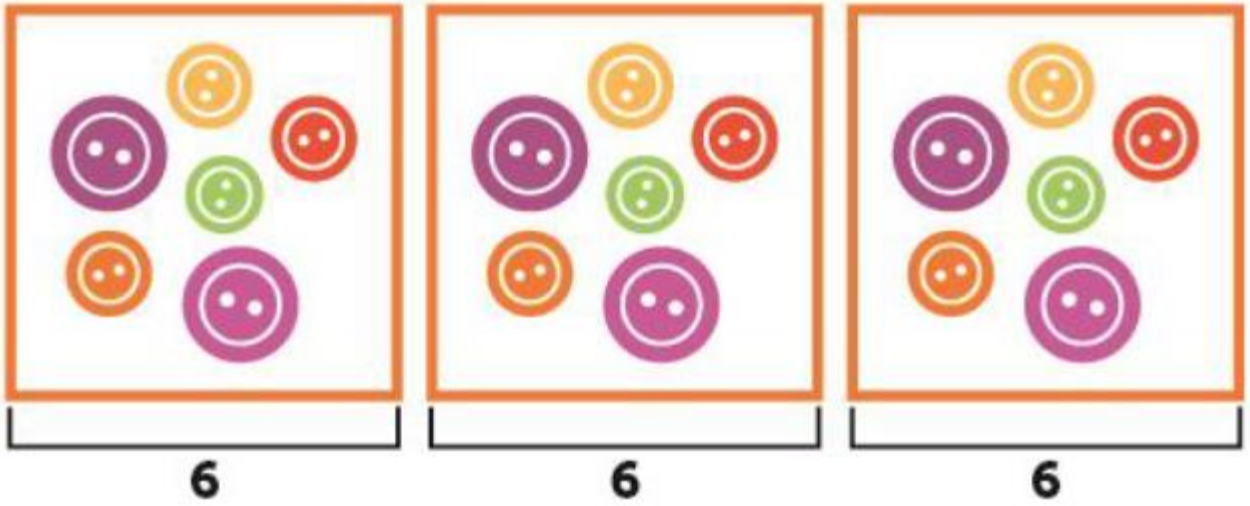
- 43 x 10 = 430
- 5.6 x 10 = 56
- 0.9 x 100 = 90
- 56 x 100 = 5600
- 3.5 x 100 = 350

Problem

- Here are 6 buttons.
- A dressmaker needs three times as many buttons for the dress he is making. How many buttons does he need?

Problem

- Here are 6 buttons.
- A dressmaker needs three times as many buttons for the dress he is making. How many buttons does he need?



He needs 18 buttons because 18 is **three** times greater than **6**

Problem

- Here is a piece of elastic.

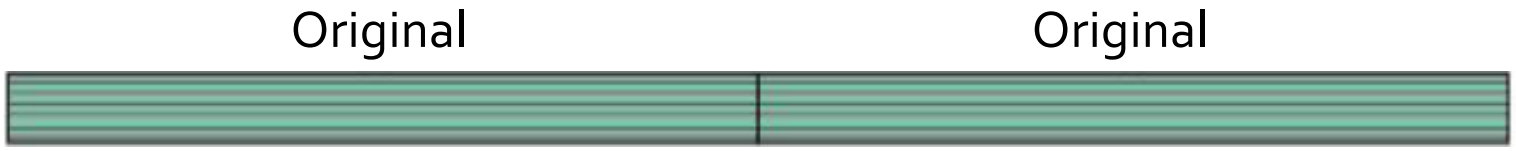
- I have stretched the elastic to **twice** its original size.
- How much longer is it than the original?
- How can I show it as a bar model?

Answer

Problem

- Here is a piece of elastic.

- I have stretched the elastic to **twice** its original size.
- How much longer is it than the original?
- How can I show it as a bar model?
  - The elastic is **twice** as long as the original



  - What if I stretched it to **4** times the original length?

Problem

- Here is a stick that is 7cm long.

- If I made it **four** times as long, how long would it be?
- Have a go at making it yourself.

Answer

Problem

- Here is a stick that is 7cm long.

- If I made it **four** times as long, how long would it be?

- Can you see the number sentence you need to work this out?

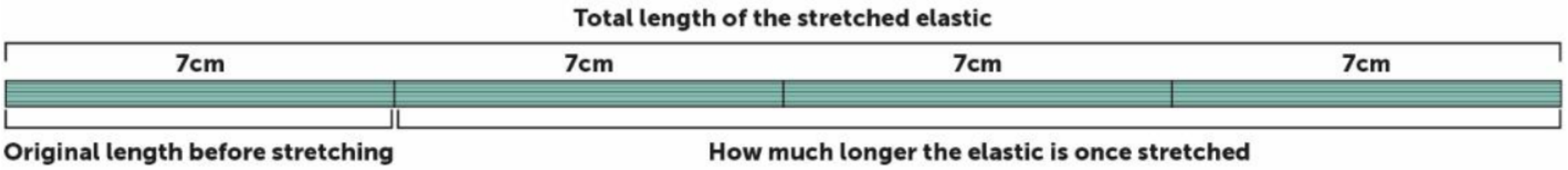
Answer

Problem

- Here is a stick that is 7cm long.

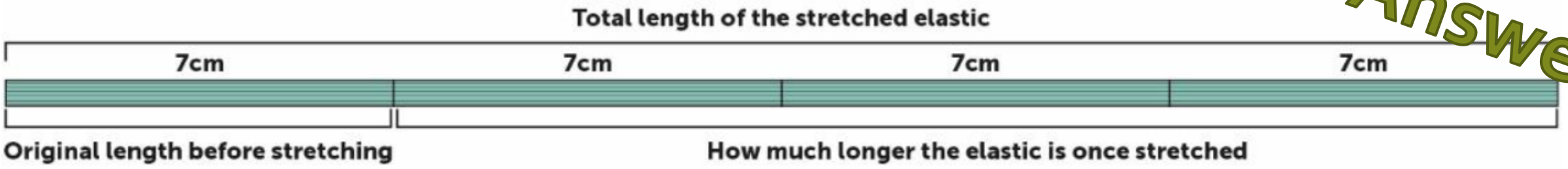
- If I made it **four** times as long, how long would it be?

I can see 4 groups of 7.
7 x 4 = 28.
28 is four times greater than 7.

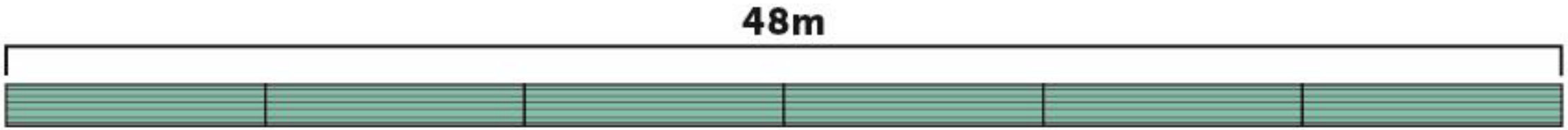


- How long is the stretched elastic?
- How long was the elastic originally?
- How much longer is the elastic than it was before?
- Where on the bar model are these answers?

Answer



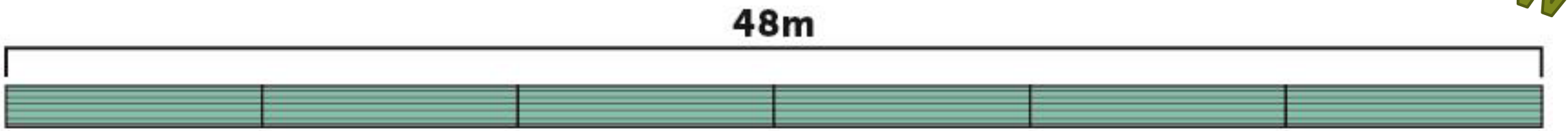
- How long is the stretched elastic? 28cm
- How long was the elastic originally? 7cm
- How much longer is the elastic than it was before? 4 times longer
- Where on the bar model are these answers?



- Emma went bungee jumping.
- When she was at the bottom of her jump, the bungee rope had stretched to 6 times the length it was before she jumped.
- The length at the bottom of the jump was 48cm

- How long was the rope originally?
- How did you work it out?

Answer



- Emma went bungee jumping.
- When she was at the bottom of her jump, the bungee rope had stretched to 6 times the length it was before she jumped.
- The length at the bottom of the jump was 48cm

- How long was the rope originally? 8cm
- How did you work it out? 48 ÷ 6 = **8** or **8** x 6 = 48

Task

- Here is a bar model. Create questions to go with this bar model.

- Think about:
  - Original size
  - How much it has increased or decreased by
  - New size