

L.O. To solve correspondence problems

Week 5 - Tuesday

Starter

1. $\frac{1}{5}$ of 20 =

2. $\frac{3}{5}$ of 35 =

3. $\frac{4}{6}$ of 36 =

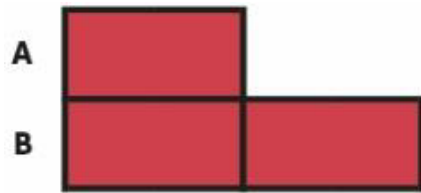
4. $\frac{3}{8}$ of 40 =

Starter

1. $\frac{1}{5}$ of 20 = 4
2. $\frac{3}{5}$ of 35 = 21
3. $\frac{4}{6}$ of 36 = 24
4. $\frac{3}{8}$ of 40 = 15

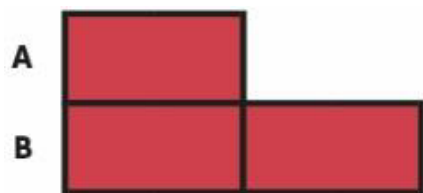
Bar models

- Look at the bar models. What can you tell me?



Bar models

- Look at the bar model. What can you tell me?



B is twice as big as A

A is half of B

Two times A is B

$$A \times 2 = B$$

$$B \div 2 = A$$



C is three times as big as D

D is a third of C

Three times D is C

$$D \times 3 = C$$

$$C \div 3 = D$$

Bar models



- Can you change the model to show that C is **four** times as big as D

Bar models



- Can you change the model to show that C is **four** times as big as D



- I have 7 sweets.
- Emma has 3 times as many sweets.
- What does this look like? Draw or build a bar model to show it.



- I have 7 sweets.
- Emma has 3 times as many sweets.
- What does this look like? Draw or build a bar model to show it.



Emma



Me



How many sweets does each box represent?

- I have 7 sweets.
- Emma has 3 times as many sweets.
- What does this look like? Draw or build a bar model to show it.



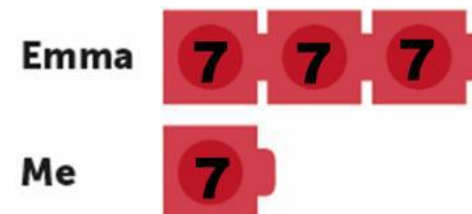
Emma



Me



How many sweets does each box represent?
Each box represents **7** sweets

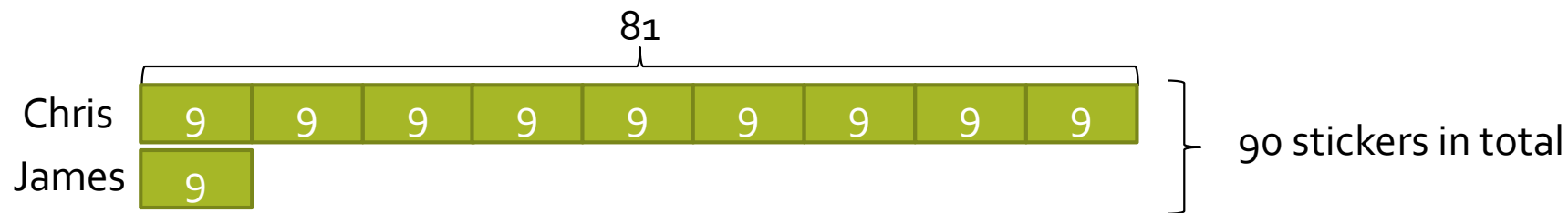


Try this

- Chris has **nine** times as many stickers as James.
- Chris has **81** stickers.
- Draw and label the bar model.

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- Chris has **81** stickers.
- Draw and label the bar model.

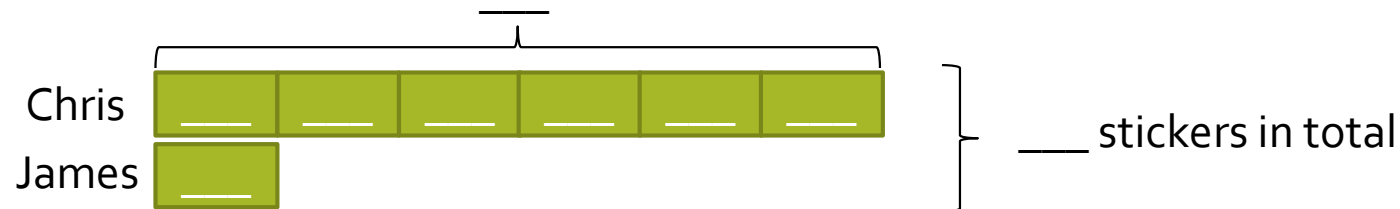


Try this

- Chris has **six** times as many stickers as James.
- They have **42** stickers in **total**.
- What would the model look like?

Try this

- Chris has **six** times as many stickers as James.
- They have **42** stickers in **total**.

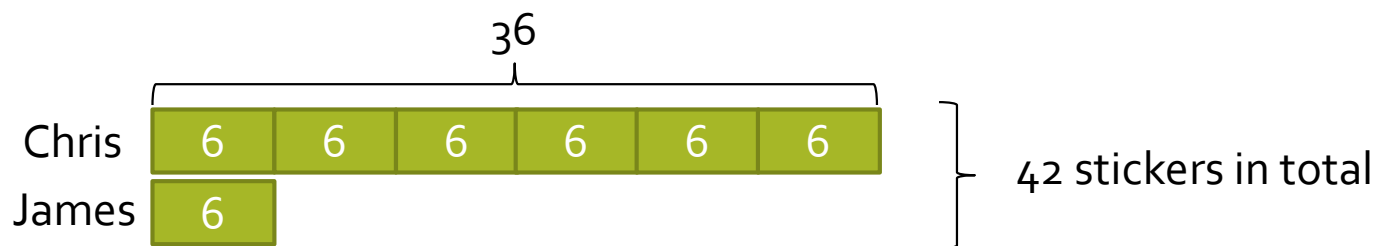


Where would I put the number **42** in the model?

What would fill the other gaps?

Try this

- Chris has **six** times as many stickers as James.
- They have **42** stickers in **total**.



It is important to divide by **7** and not **6** because there are **7** parts to the model altogether.

Task – prove which child is correct and identify the mistakes the others have made.
Draw bar models to help you understand and prove your answer.

**Jenny and Paul have 20 stickers altogether.
Jenny has three times as many stickers as Paul. How many stickers does Paul have?**

Jenny has three times as many, so I would multiply 20 by 3.



Jenny has three times as many, so I have to divide 20 by 3.



I think Paul has 5 stickers.

