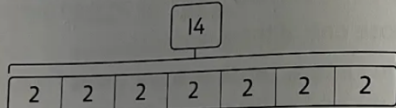


Bar modelling - grouping

- 1 Sally has 14 shoes.

How many pairs are there?



$$14 \div 2 = 7$$

- 2 Charlie makes a pattern using buttons.

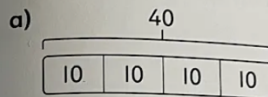
Each pattern uses 5 buttons.

He has 40 buttons in total.

How many copies of this pattern can he make?

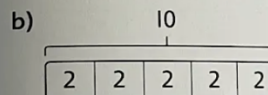
$$40 \div 5 = 8$$

- 3 Use the bar models to fill in the number sentences.



$$40 \div 4 = 10$$

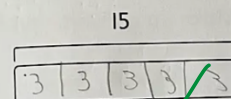
40 is 4 groups of 10.



$$10 \div 5 = 2$$

10 is 5 groups of 2.

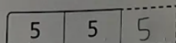
- 4 15 counters are put into groups of 5. Complete the bar model.



How many groups are there? 5

- 5 a) Eva is working on a division question.

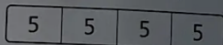
$$40 \div 5 = 8$$



Complete the diagram.

- b) Work out
- $55 \div 5 = 11$
- .

Reflect

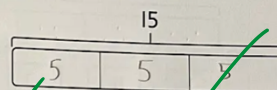


Make up a division problem to match this diagram.

$$20 \div 4 = 5$$

Bar modelling - sharing

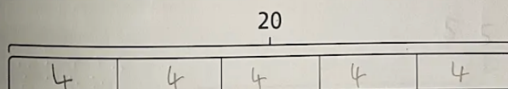
- 1 3 children need to carry 15 books to the library. Share the books between the children.



$$15 \div 3 = 5$$


Each child carries 5 books.

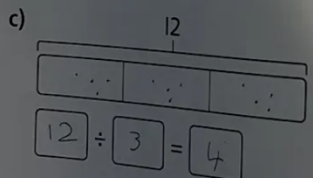
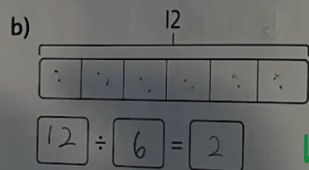
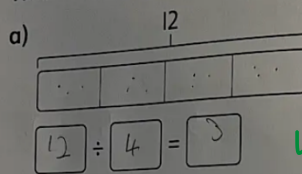
- 2 There are 20 crayons to share between 5 tables. Complete the bar model.



$$20 \div 5 = 4$$

Each table gets 4 crayons.

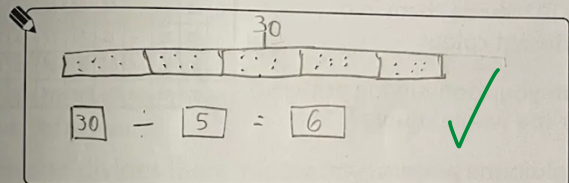
- 3 Complete the bar models. 
Write the division sentence for each one.



- 4 5 children want to go on a trampoline.
They have half an hour before lunch.
They share the time equally.

Draw a bar model to show how many minutes each child gets.

$30 \div 5 = 6$



Reflect

Describe a bar model for sharing 30 between 5.

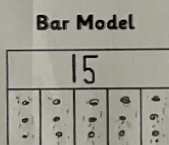
Now draw a bar model for making groups of 5 from 30

1. Write out sharing sentences and show how you can group: 15, 25 and 16.



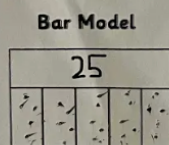
Sharing Sentence

$18 \div 3 = 6$



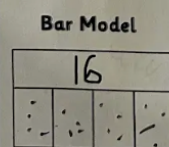
Sharing Sentence

$15 \div 5 = 3$



Sharing Sentence

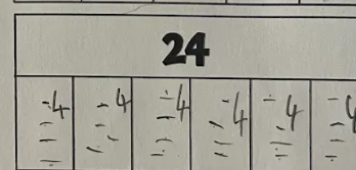
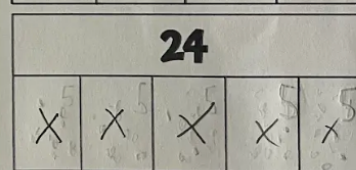
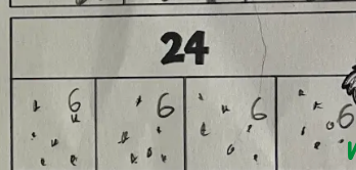
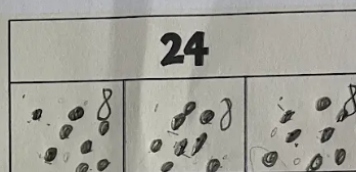
$25 \div 5 = 5$



Sharing Sentence

$16 \div 4 = 4$

2. Using dots show how you can group 24- dividing by 3, 4, 5 and 6. Do they all divide equally?



Well done, Florence.
Super work today
looking at grouping and
sharing using the bar
method.

