



THIRD SPACE
LEARNING

Ready-to-go Lesson Slides

Year 2

Multiplication and Division

Lesson 1

To share objects into equal groups

Spring

To share objects into equal groups

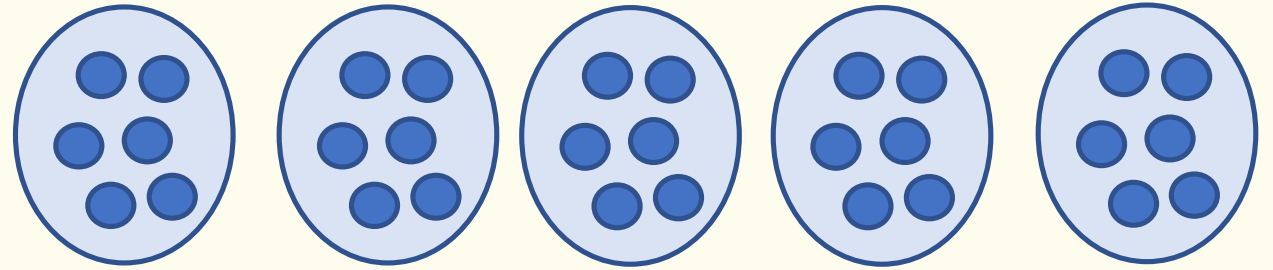
Hinge Question:

Tim has thirty counters.

He shares them equally between five children.

Each child gets six counters.

Which calculation describes the story?



A $6 \div 5 = 30$

C $30 - 5 = 6$

B $5 \div 30 = 6$

D $30 \div 5 = 6$

To share objects into equal groups

Starter:

Rosie has 15 sweets. She shares them between 5 cups.

Can they be shared equally?

How many sweets should be in each cup?



Yes they can be shared equally.

Answers

To share objects into equal groups

Starter:

Rosie has 15 sweets. She shares them between 5 cups.

Can they be shared equally?

How many sweets should be in each cup?



Yes they can be shared equally



Answers

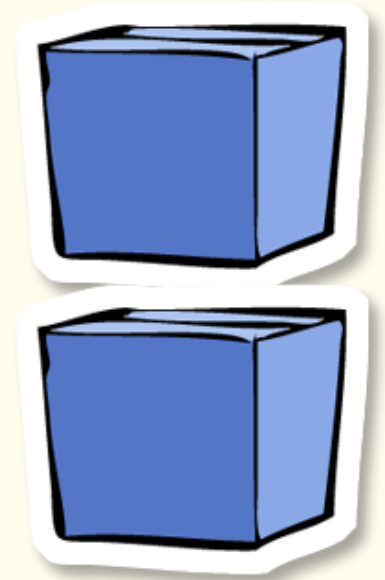
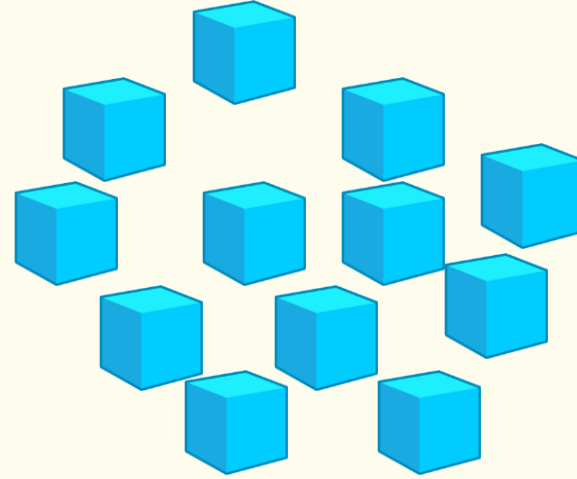
To share objects into equal groups

Share the 12 cubes equally into the two boxes.

There are 12 cubes altogether.

There are 2 boxes.

There are 4 cubes in each box



To share objects into equal groups

Guided Practice:

The Mathstronaut says:

Can you use manipulatives to represent the children to show how you found your answer?

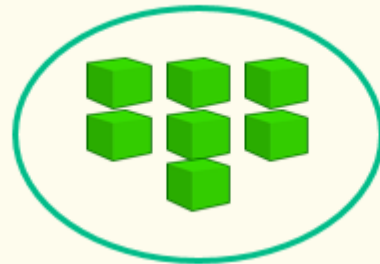
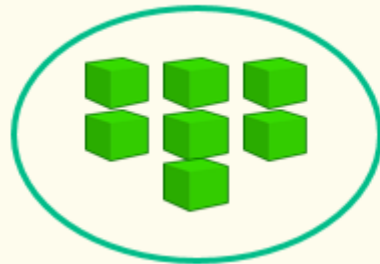
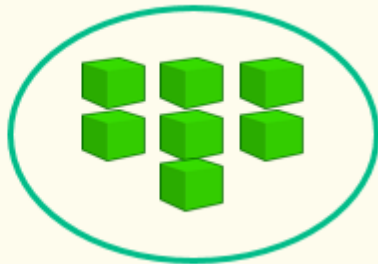
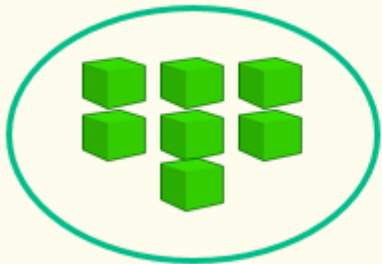
Complete the stem sentence.

If 28 children are put into 4 equal teams, how many children are in each team?



is shared into

groups of



There would be
7 children in
each team.

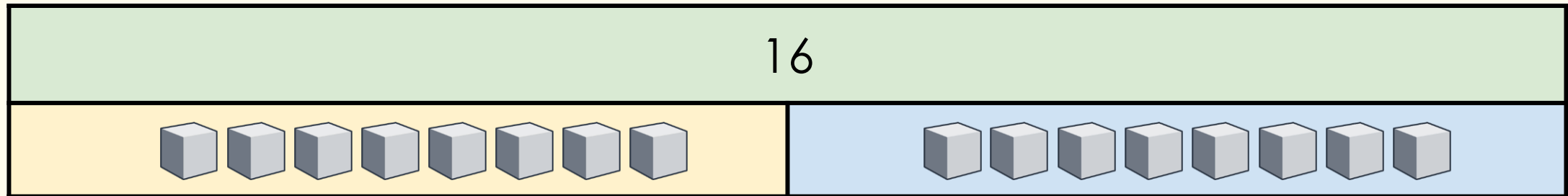
To share objects into equal groups

Guided Practice:

The Mathstronaut draws this bar model to divide 16 into 2 equal groups.

Can you explain what he has done?

Using his bar model, what number sentences could he write?



The Mathstronaut probably put 16 cubes in the green top bar. He then moved a cube into the yellow bar, then the blue bar, then the yellow bar, then the blue bar and so on.

He was then left with 8 cubes in both the yellow and blue bars.

This represents $16 \div 2 = 8$ or $2 \times 8 = 16$. It also shows $8 \times 2 = 16$

Answers

To share objects into equal groups

Guided Practice:

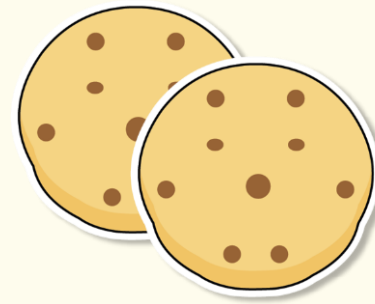
The blue Mathstronaut has 20 cookies and shares them between 5 friends.



The purple Mathstronaut has 20 cookies and shares them between 10 friends.



Whose friends will receive the most cookies?



How do you know?

Answers

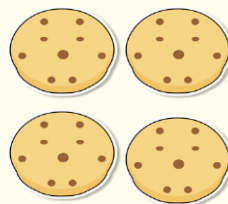
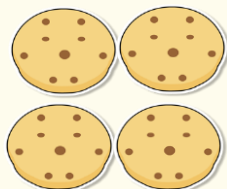
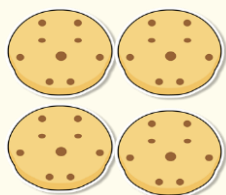


To share objects into equal groups

Guided Practice:

The blue Mathstronaut has 20 cookies and shares them between 5 friends.

The purple Mathstronaut has 20 cookies and shares them between 10 friends.



The blue Mathstronaut's friends will get 4 cookies each

Answers

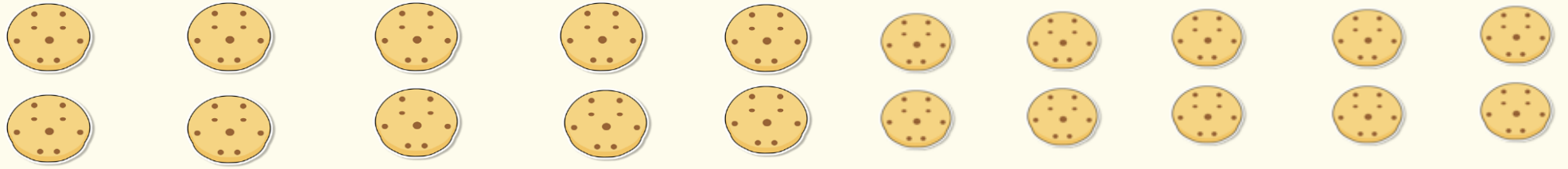


To share objects into equal groups

Guided Practice:

The blue Mathstronaut has 20 cookies and shares them between 5 friends.

The purple Mathstronaut has 20 cookies and shares them between 10 friends.



The blue Mathstronaut's friends will get 4 cookies each whereas the purple Mathstronaut's friends will only get 2 cookies each.

The blue Mathstronaut's friends will get more because the purple Mathstronaut is sharing with more people so they will get fewer cookies each.

Answers



To share objects into equal groups

Let's Reflect:

Which of these numbers can be shared equally by 2 and which will have 1 left over?

Use cubes to help you.

20

19

16

14

20 can be shared equally into 2 groups of 10.

16 can be shared equally into 2 groups of 8.

14 can be shared equally into 2 groups of 7.

19 can not be shared equally into 2 groups. There will be 9 in each group with 1 left over.

Answers