To divide by 2

THIRD SPACE LEARNING

Success Criteria

- ❑ I can make equal groups from a set of objects
- ❑ I know that division is making equal groups
- ❑ I know that counting equal groups is multiplication or repeated addition

To divide by 2

Starter:

Alex is investigating whether half of 14 is the same as 14 ÷ 2.

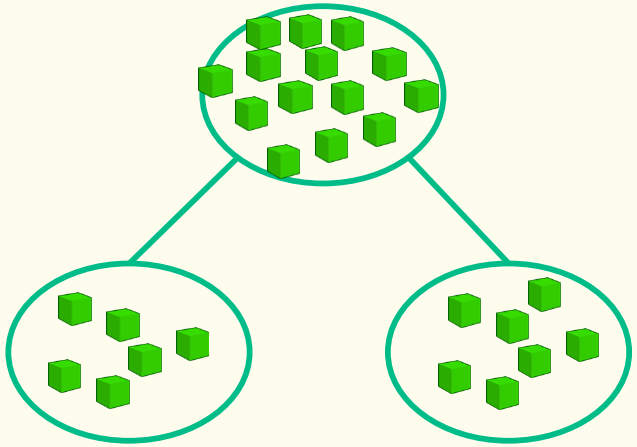
How could he use cubes to prove that they are the same?

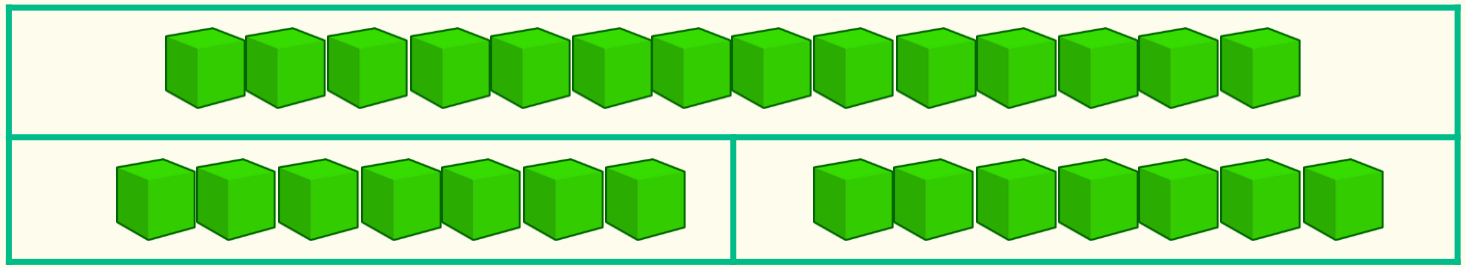
Using a bar model or a part-model.

Alex starts with 14 cubes. He splits them into 2 groups.

Half of 14 is 7.

14 ÷ 2 is also 7





Answers

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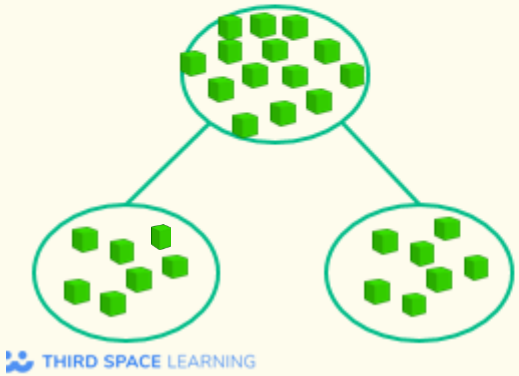
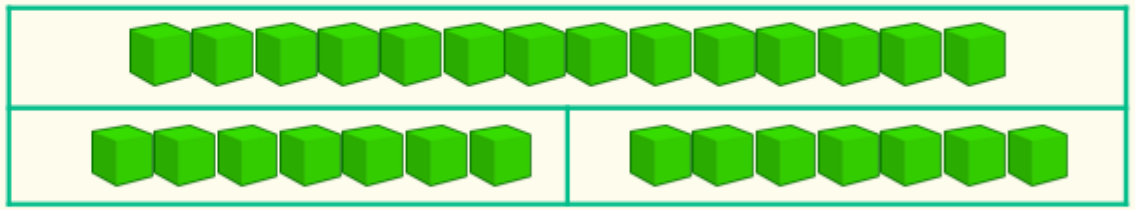


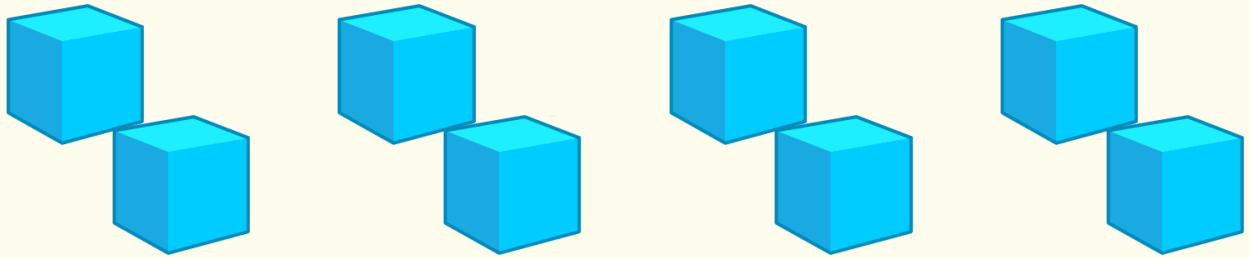


Answers

Answers

To divide by 2

Complete the stem sentences.



I have 8 cubes altogether.

There are 2 in each group..

There are 4 groups.

8	÷	2	=	4
2	x	4	=	8

Answers

To divide by 2

Guided Practice:

Group the gloves into pairs.

Complete the number sentences.

10	÷	2	=	5
2	x	5	=	10

Answers

To divide by 2

Guided Practice:

The Red Mathstronaut and the Blue Mathstronaut have 14 sweets between them. They share them equally.

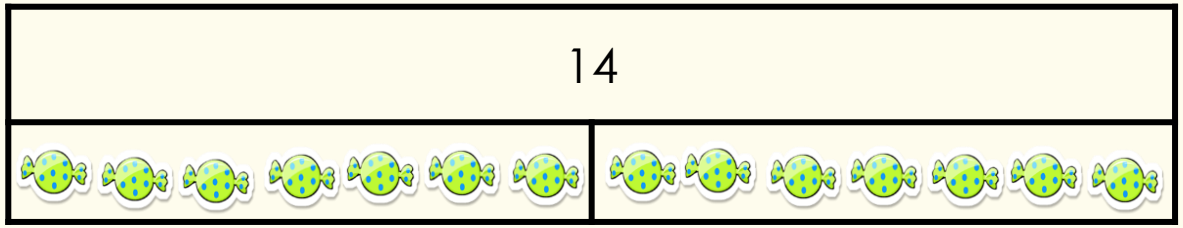
How many sweets does each Mathstronaut get?

There are 14 sweets altogether.

There are 2 groups.

There are 7 in each group.

Complete the bar model and write a calculation to match.



14 ÷ 2 = 7 or 7 x 2 = 14

Answers

To divide by 2

Guided Practice:

I have 24p.

I divide it equally between 2 friends .

How much will they get each? They will get 12p each.

I have 24p in 2p coins.

How many 2p coins do I have? They will have 12 coins.

Consider the two questions above.

What is the same and what is different?

The calculation is the same in both.

In the first question we are sharing, whereas in the second question we are grouping.

We are looking at how many are in each group.

Answers

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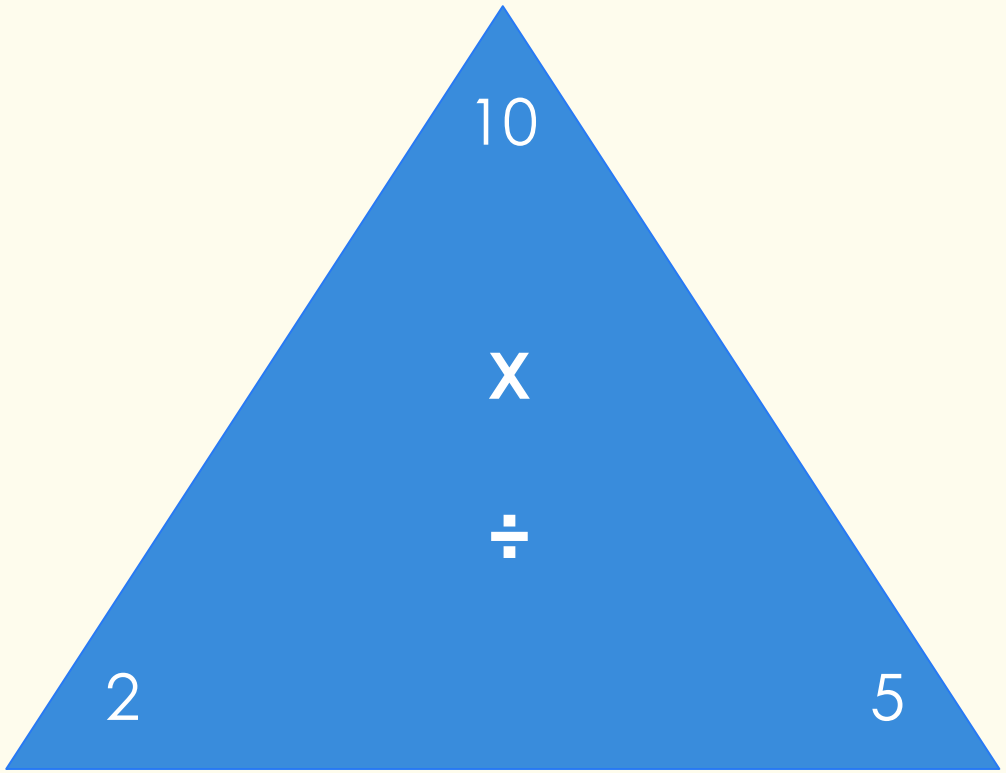
Let's Reflect:

Here is a 'Tricky Triangle'.

Are the calculations right?

Why? Why not?



2 x 5 = 10

5 x 2 = 10

10 ÷ 2 = 5

5 ÷ 10 = 2

The first three calculations are correct but the last one is not. You can not share 5 between 10- there is not enough

It should be 10 ÷ 2 = 5

Answers

Support Slides

The following slides are based on Year 1 Multiplication and Division – Count in 2s

To be able to count in 2s

Count the boots in 2s.

How many boots are there in total?

10 pairs of boots.

There are 20 boots in total

Answers

To be able to count in 2s

Can you complete the number tracks?

2	4	6	8	10	12	14	16	18

30	32	34	36	38	40	42	44	46

20	18	16	14	12	10	8	6	4

26	24	22	20	18	16	14	12	10

Answers