



## Support Slides

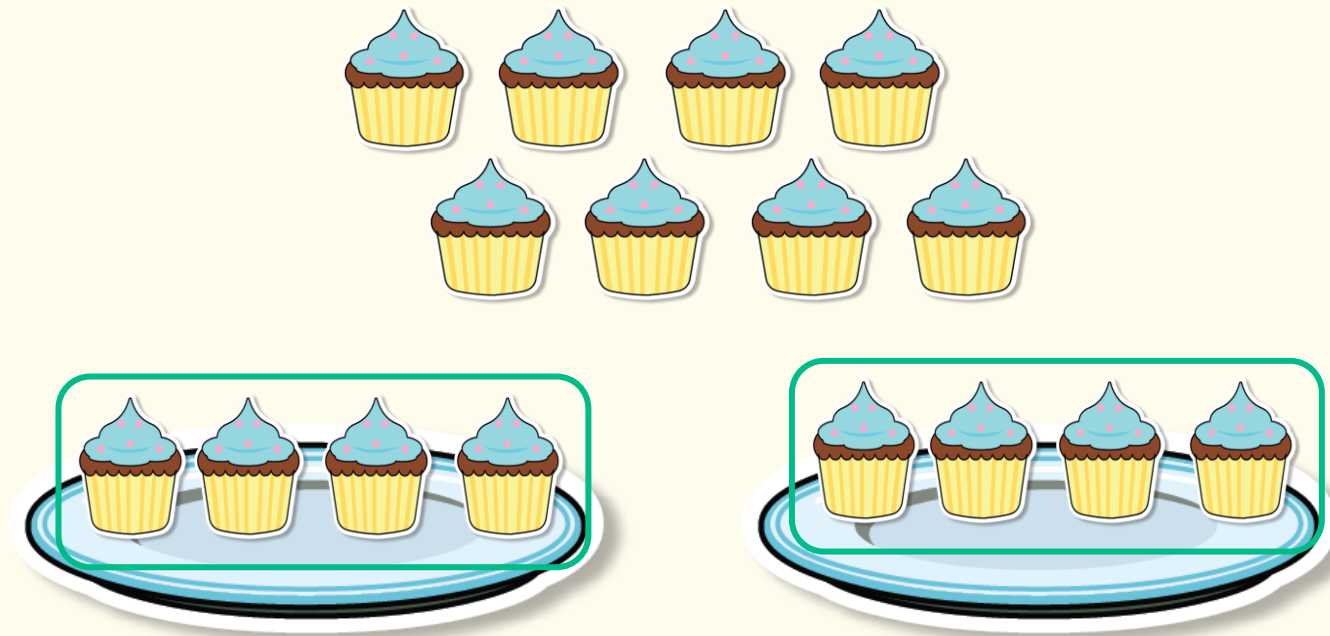
The following slides are based on Year 1 Multiplication and Division– Make equal groups

To make equal groups by sharing

**Share the cakes equally between the two plates.**

Complete the sentence.

8 cakes shared equally between 2 is 4



Answers

To make equal groups by sharing

Collect 30 cubes. Use hoops to represent your friends.

**Can you share the cubes between 5 friends?**

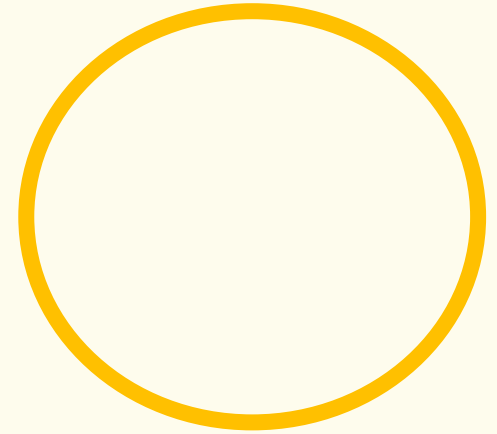
30 shared between 5 equals 6

**Can you share the cubes between 2 friends?**

30 shared between 2 equals 15

**Can you share the cubes between 10 friends?**

30 shared between 10 equals 3





THIRD SPACE  
LEARNING

# To share objects into equal groups

## Success Criteria

- I can share objects into equal groups
- I can show this using equipment and pictures
- I know that  $\div$  means division (sharing in equal groups)

# To share objects into equal groups

## Starter:

Rosie has 25 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.

There will be 5 sweets in each cup.

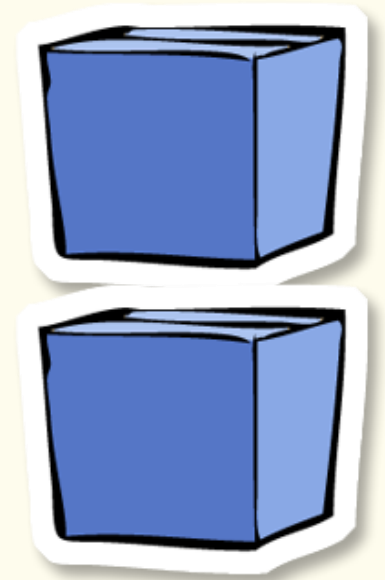
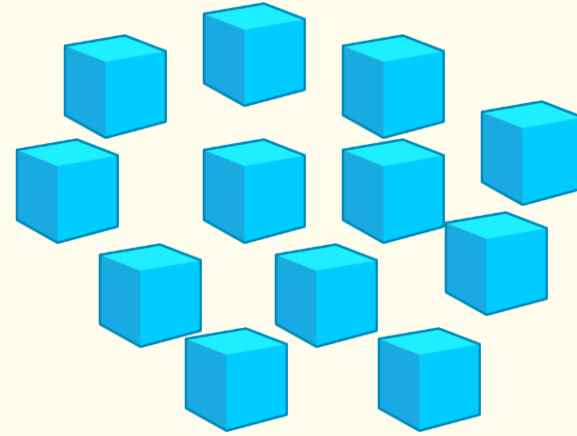
To share objects into equal groups

**Share the 12 cubes equally into the two boxes.**

There are 12 cubes altogether.

There are 2 boxes.

There are 6 cubes in each box



Can you share the 12 cubes equally into 3 boxes?

Yes.

There will be 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?



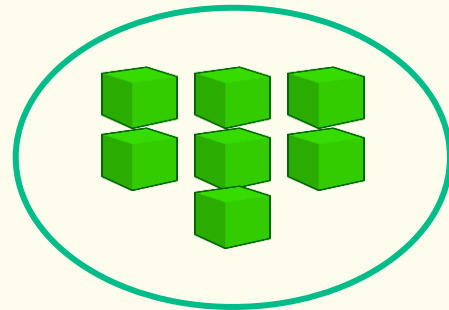
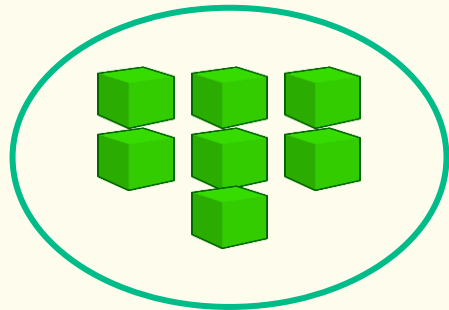
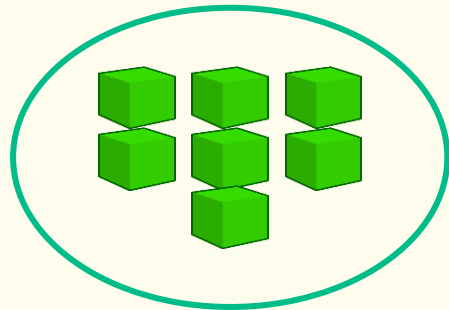
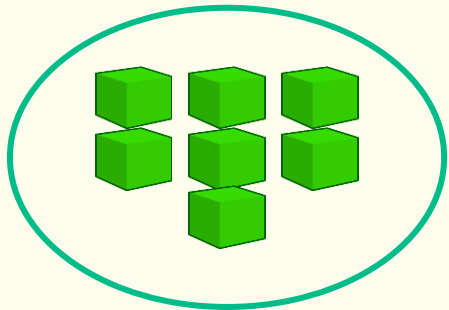
28

is shared into

4

groups of

7



There would be 7 children in each team.

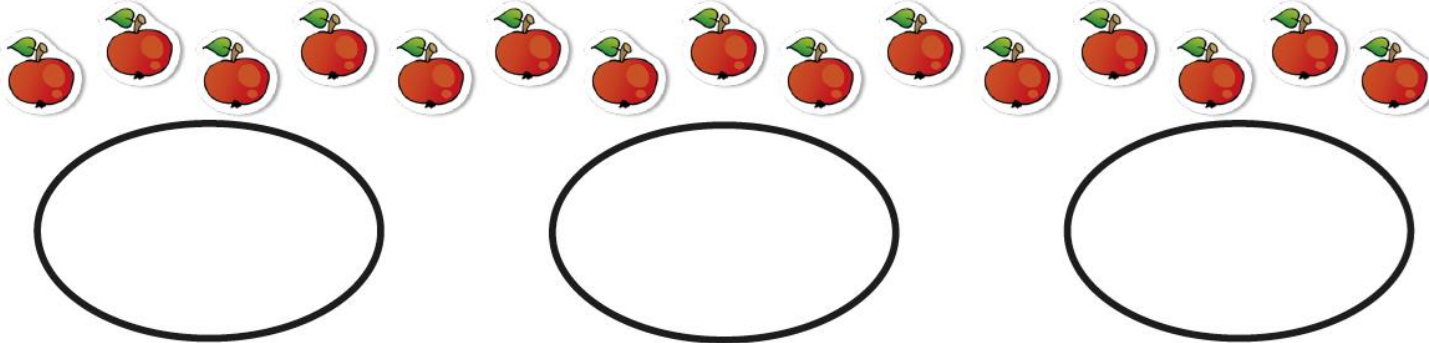
Answers

# To share objects into equal groups

## Independent Practice:

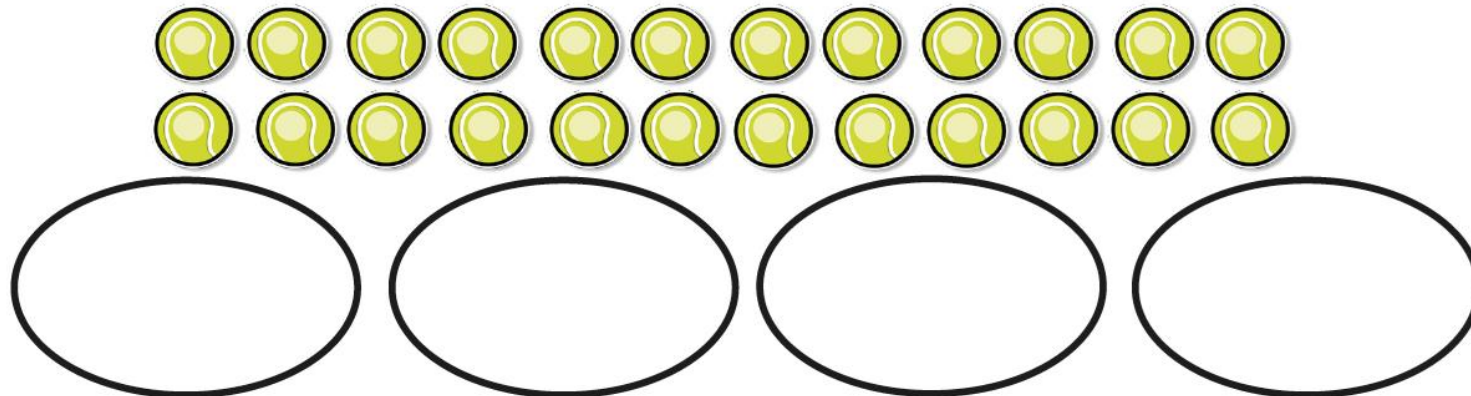
1. a. Share the apples into equal groups. Complete the stem sentence.

\_\_\_\_\_ is shared into \_\_\_\_\_ groups of \_\_\_\_\_.



b. Share the tennis balls into equal groups. Complete the stem sentence.

\_\_\_\_\_ is shared into \_\_\_\_\_ groups of \_\_\_\_\_.





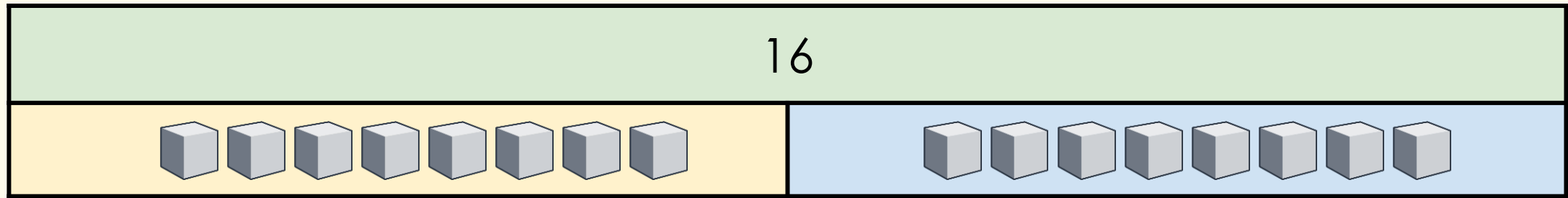
To share objects into equal groups

**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.

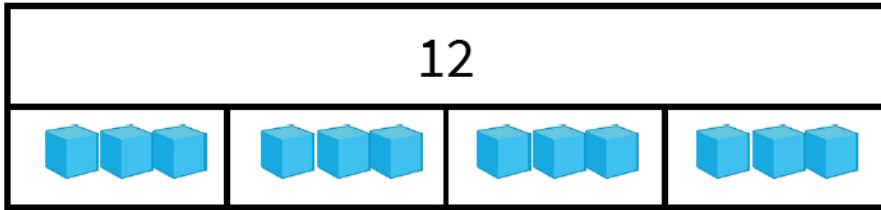
This represents  $16 \div 2 = 8$  or  $2 \times 8 = 16$ . It also shows  $8 \times 2 = 16$

Answers

# To share objects into equal groups

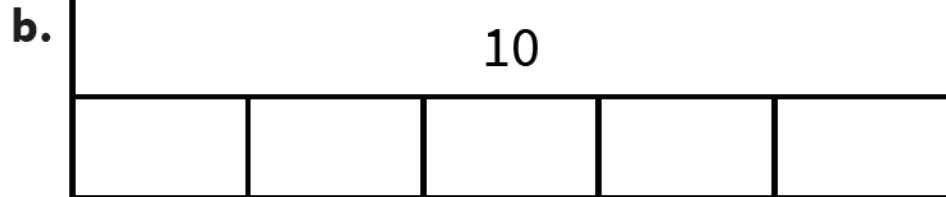
## Independent Practice:

2. a. Use the bar model to complete the number sentence.



$$12 \div \underline{\quad} = \underline{\quad}$$

Complete the bar models and the number sentences.



$$10 \div \underline{\quad} = \underline{\quad}$$



$$21 \div 3 = \underline{\quad}$$

To share objects into equal groups

**Guided Practice:**

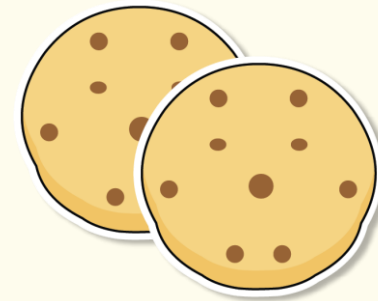
The blue Mathstronaut has 20 cookies and shares them between 5 friends.



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



**Whose friends will receive the most cookies?**



How do you know?

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

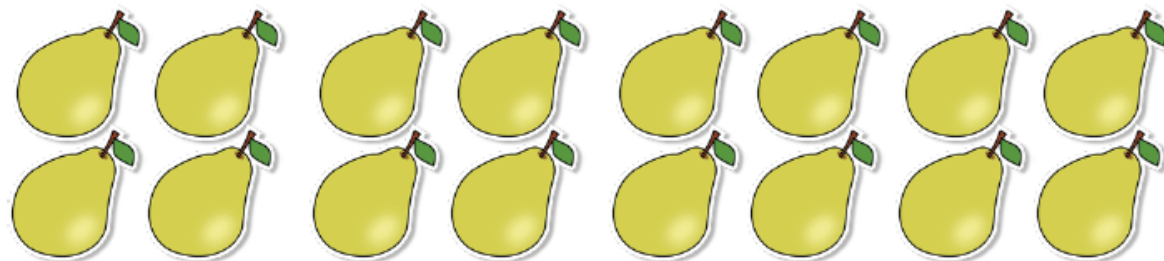
The blue Mathstronaut's friends will get 4 cookies each whereas the purple Mathstronaut's friends will only get 2 cookies each.

Answers

To share objects into equal groups

**Independent Practice:**

- 3.** Alex has 16 pears. When he shares them equally into baskets, there are none left over.



How many baskets can he share the pears into so that every basket has the same amount?

Find 3 different 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