

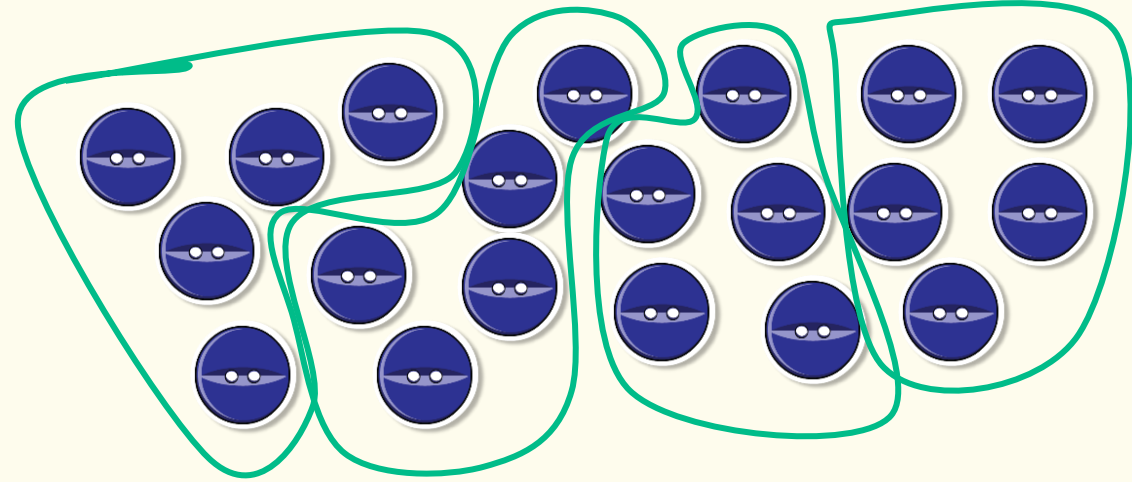


Support Slides

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

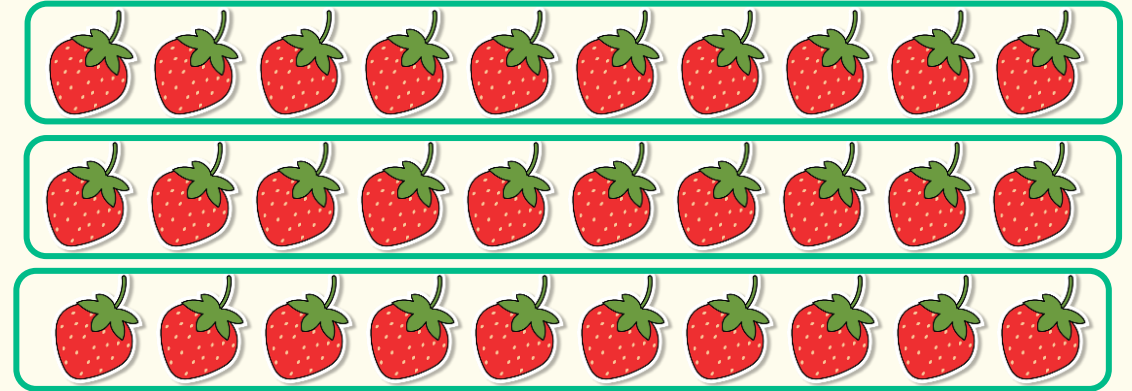
To make equal groups by grouping

How many equal groups of 5 buttons can you make?



You can make 4 equal groups.

How many equal groups of 10 strawberries can you make?



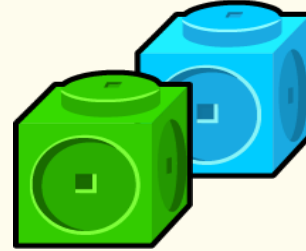
You can make 3 equal groups.

Answers

To make equal groups by grouping

Take 20 cubes.

Complete the sentences:



I can make 10 equal groups of 2.

I can make 4 equal groups of 5.

I can make 2 equal groups of 10.

What would happen if there were 21 cubes?

Answers



THIRD SPACE
LEARNING

To make equal groups by grouping

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 make equal groups by grouping

Starter:

The Mathstronauts are sharing this collections of coins.

How many coins will each Mathstronaut get?

How do you know?

There are 16 coins and 4 Mathstronauts. That means each Mathstronaut will get 4 coins.



Coins can be shared out. One for white, one for Red, one for Purple, one for Yellow and so on.



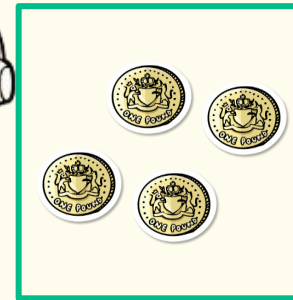
White



Red



Purple



Yellow



Answers

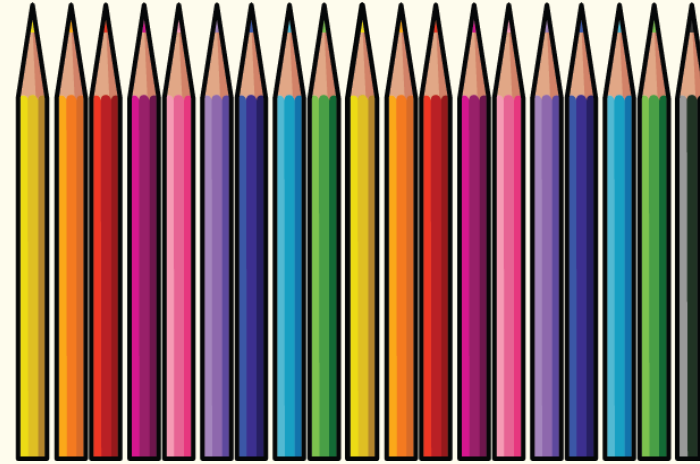
To make equal groups by grouping

Pencils come in packs of 20.

We need to put 4 in each pot.

How many pots will we need?

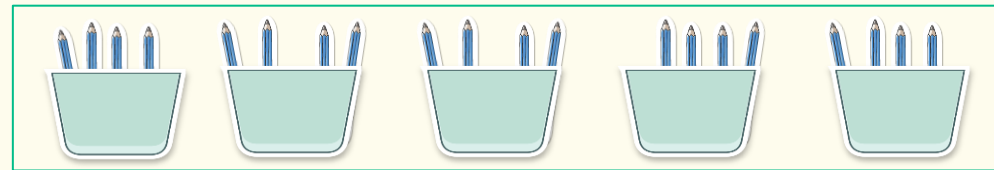
Complete the sentence stems.



There are 20 pencils altogether.

There are 4 pencils in each pot.

There are 5 pots.



Answers

To make equal groups by grouping

Guided Practice:

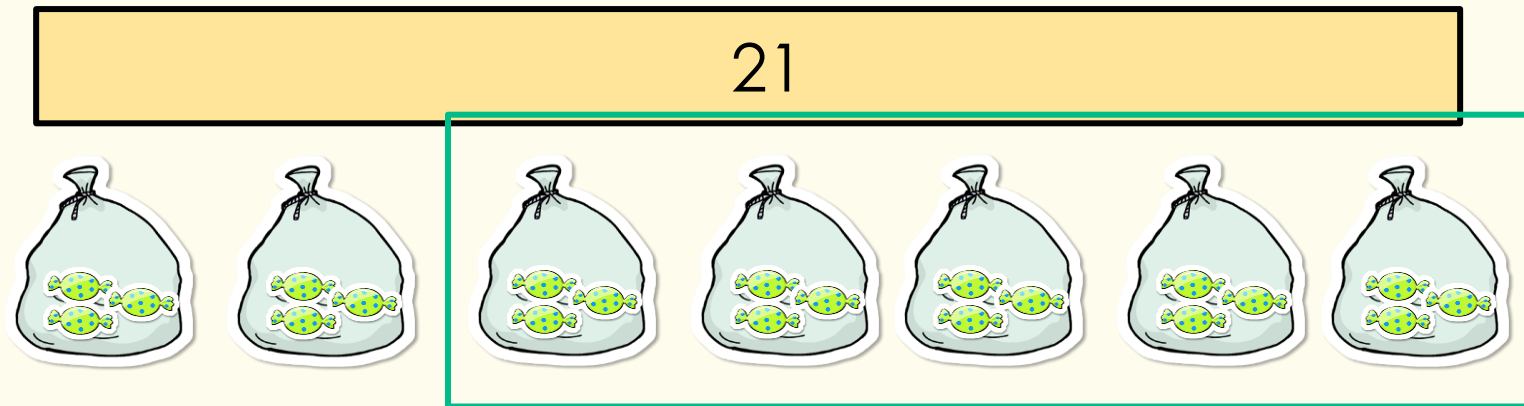
Rosie has 21 sweets.

She puts 3 sweets in each bag.

How many bags can she fill?



$$\boxed{21} \div \boxed{3} = \boxed{7} \quad \boxed{21} \div \boxed{7} = \boxed{3}$$

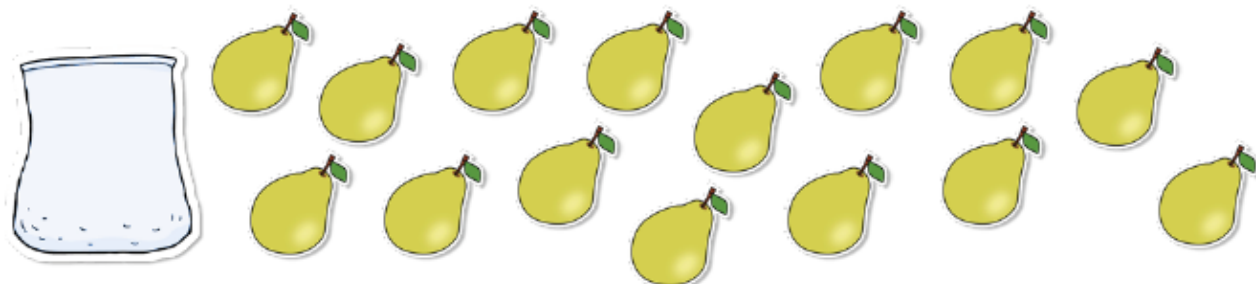


Answers

To make equal groups by grouping

Independent Practice:

1. a. There are 15 pears. Charlie puts 5 in a bag. How many bags will he fill?



Use the groups to complete these calculations.

$$15 \div 5 = \underline{\quad}$$

$$15 \div \underline{\quad} = 5$$

b. Draw 18 eggs and then sort them into equal groups of three.

Use the groups to complete these calculations.

$$18 \div \underline{\quad} = 3$$

$$\underline{\quad} \times 3 = 18$$

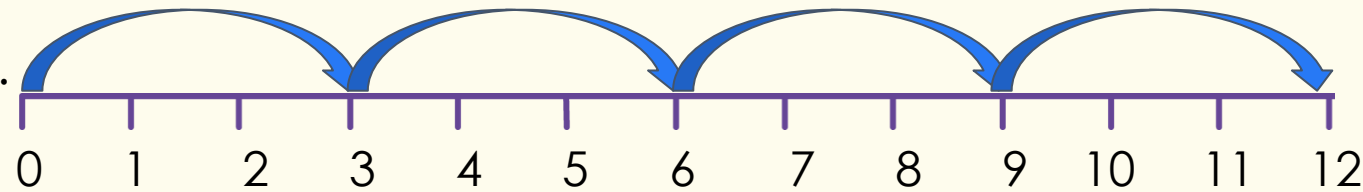
To make equal groups by grouping

Guided Practice:

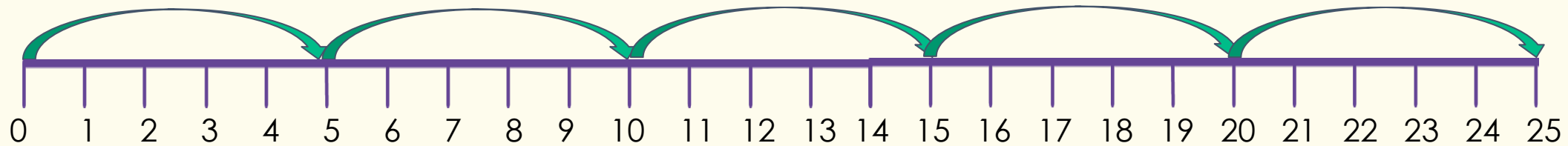
The Red Mathstronaut uses a number line to work out how many equal groups of 3 he can make from 12.

He can make 4 groups of 3.

$$12 \div 3 = 4$$



Can you use a number line to work out how many groups of 5 you can make from 25?



You can make 5 groups of 5.

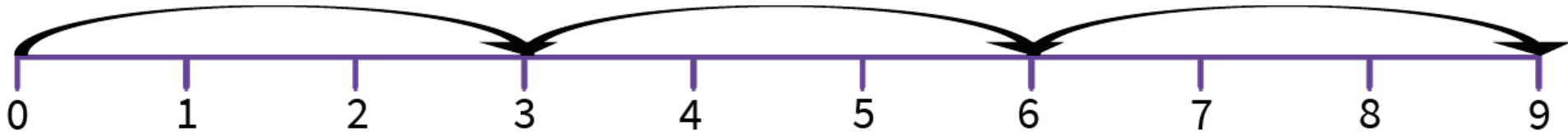
$$25 \div 5 = 5$$

Answers

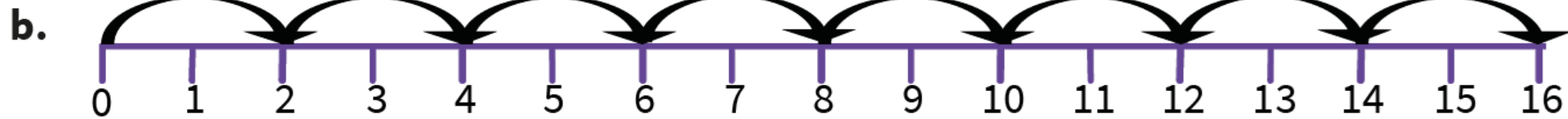
To make equal groups by grouping

Independent Practice:

2. a. Use the number lines to help fill in the calculation.

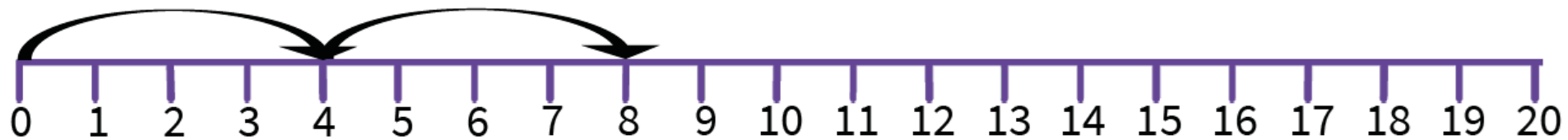


_____ ÷ 3 = _____



_____ ÷ 2 = _____

c. Complete the arrows to show the groups on the number line and then fill in the calculation.



_____ ÷ _____ = _____

To make equal groups by grouping

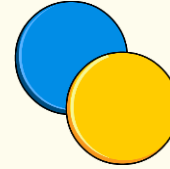
Guided Practice:

The Yellow Mathstronauts has some counters. He makes 5 equal groups.

The amount he started with is greater than 10 but less than 35.

How many counters could he have started with?

How many will be in each group?



He could have 30 counters in 5 groups of 6

25 counters in 5 groups of 5.

20 counters in 5 groups of 4.

15 counters in 5 groups of 3.

Answers



To make equal groups by grouping

Independent Practice:

3. You have 30 counters. How many different ways can you put them into equal groups?

Write down all the possible ways.

To make equal groups by grouping

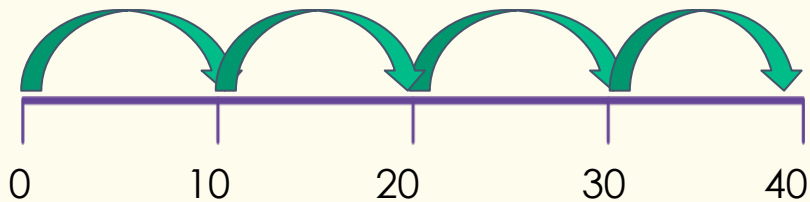
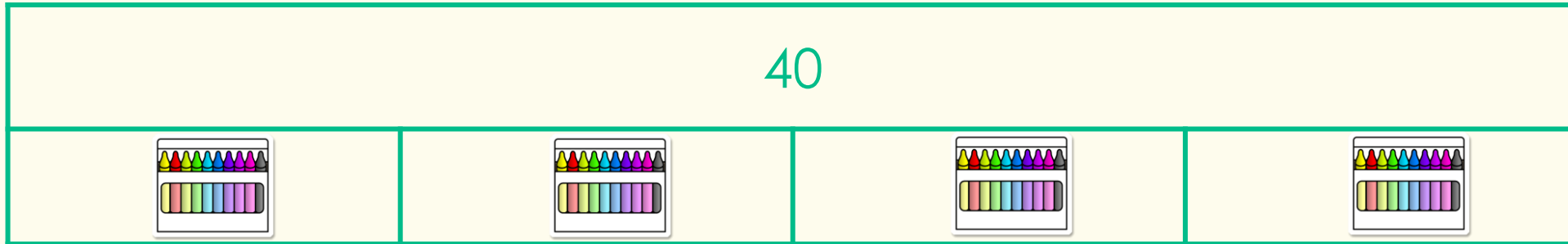
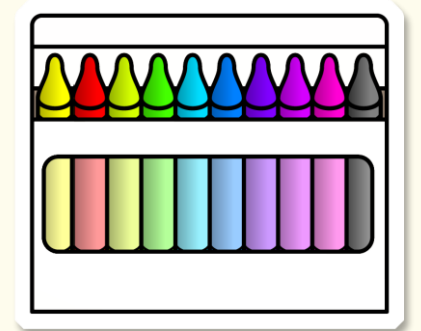
Let's Reflect:

Crayons come in packs of 10.

Can you show how many packs there would be if there were 40 crayons altogether?

Can you show this on a bar model and a number line?

There would be 4 packs of 10.



Answers