

Our Maths Learning Journey

Key vocabulary:

Fraction – whole, half, halves, quarter, quarters

Position & Direction - turn, position, direction, half turn, quarter turn, three-quarter turn, whole turn, left, right, in between, forwards, backwards, above, below, top, middle, bottom, up, down

Place value - 100, number square, pattern, tens, ones, place value, place value grid, partition, how many?, sequence, fewer, smaller, less than, greater than, equal to, (=) greatest, biggest, fewest, smallest, count, number bonds to 100

Place value to 100

Partition numbers up to 100
Compare numbers up to 100

Place value to 100

Compare numbers up to 100
Order numbers up to 100

Place value to 100

Explore number patterns
Partition numbers up to 100

Position and Directions

Finding quarters
Half turns
Quarter turns

Position and Directions

Describe directions and positions

Place value to 100

Find one more/ less than a 100
Describe number patterns

Fractions

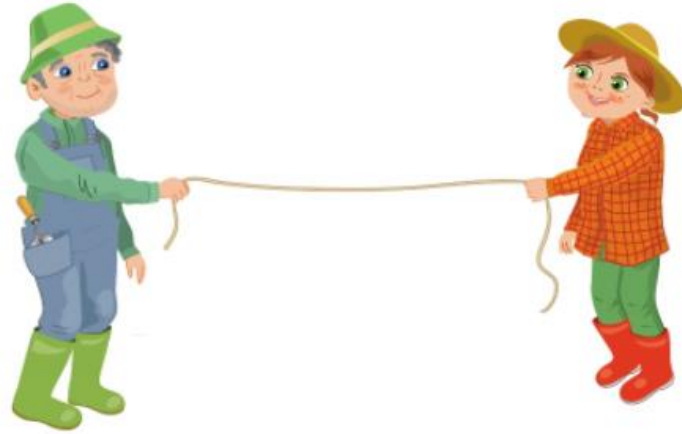
Finding halves
Finding quarters

Monday 15th April 2024



3

CHALLENGE



The gardeners have a piece of string.
How can they split the string into two halves?

Can you find
half of any line?



<https://www.topmarks.co.uk/maths-games/hit-the-button>





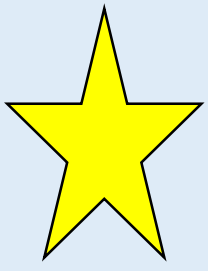
LQ: Can I find halves?

Steps to success



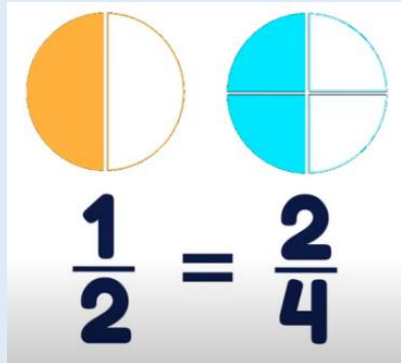
I can confidently find halves of shapes.

I can explain my method of finding a half.

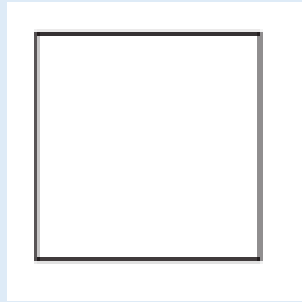


Star words

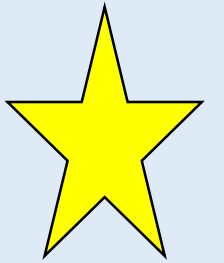
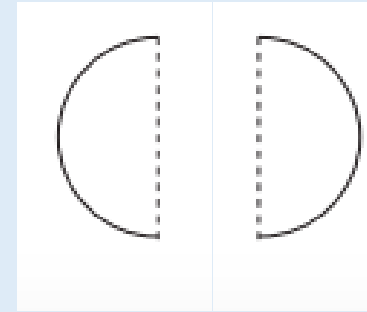
fraction



whole



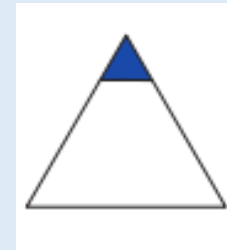
Half/ halves



equal



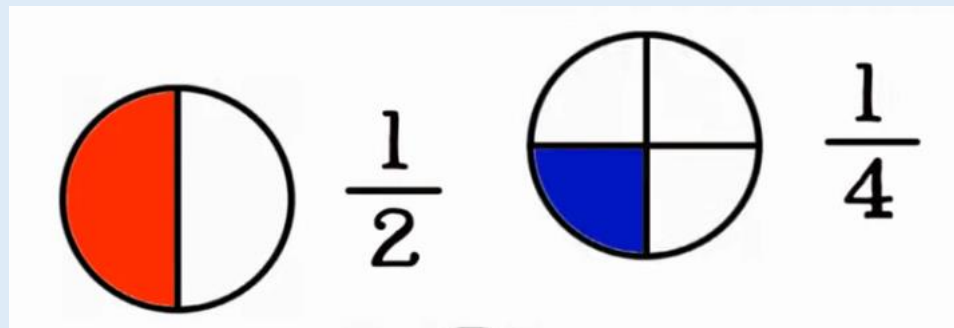
unequal



This week you are going to learn about fractions.

A fraction represents equal parts of a whole, by dividing it up into equal partitions.

You are going to learn about halves and quarters of shapes and amounts.

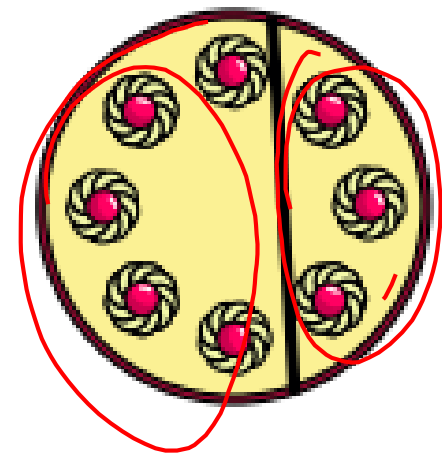
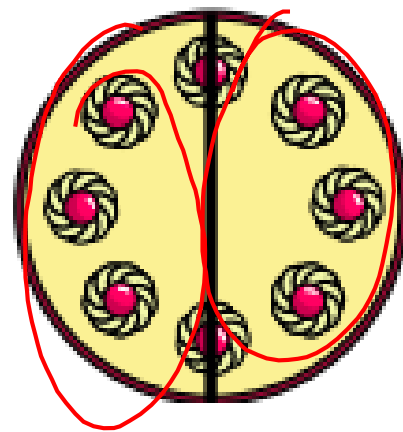


<https://www.youtube.com/watch?v=hVaxiJB6Fls>

Give Me Half! by Stuart J. Murphy

Now that we have watched the story let's discuss.

Which cake is cut in half?

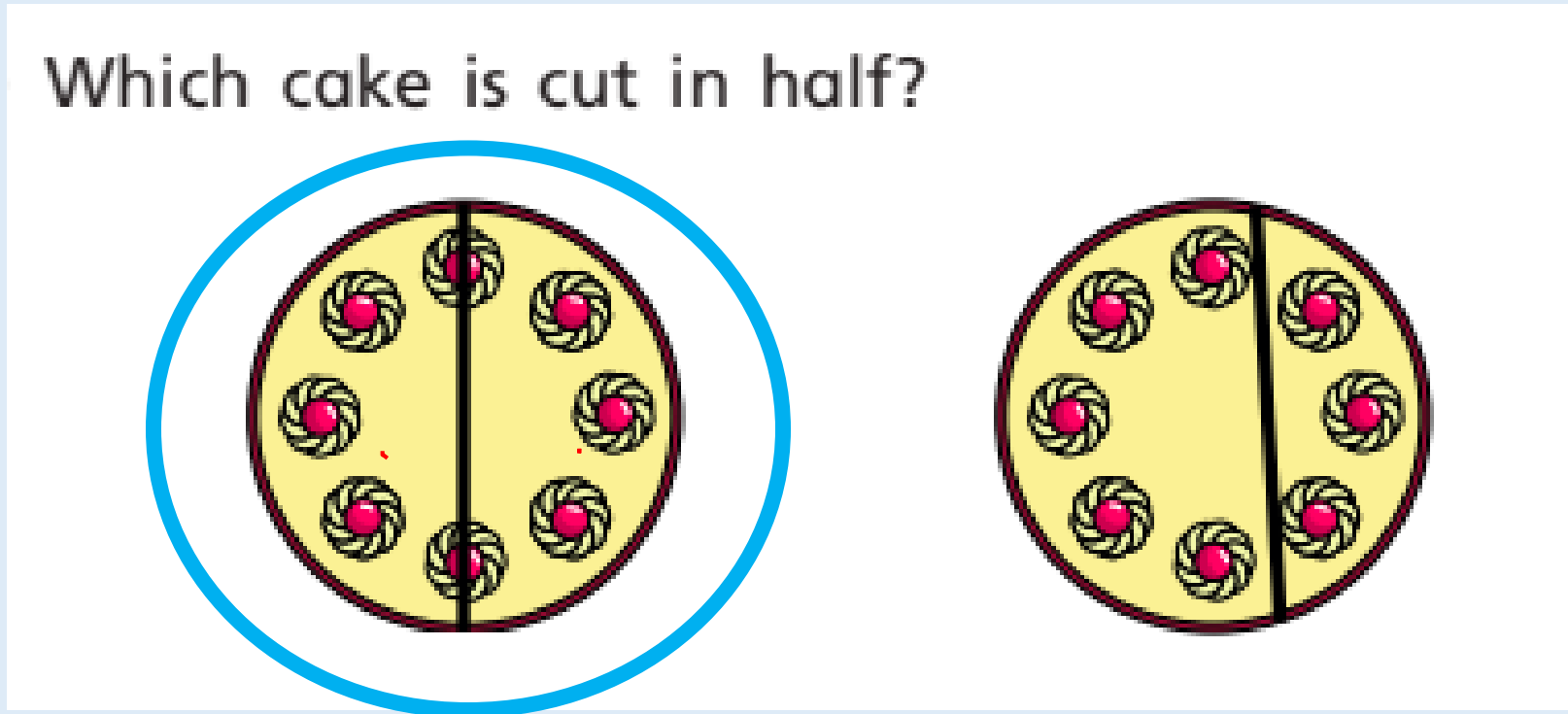


TP: What does a *half* mean?

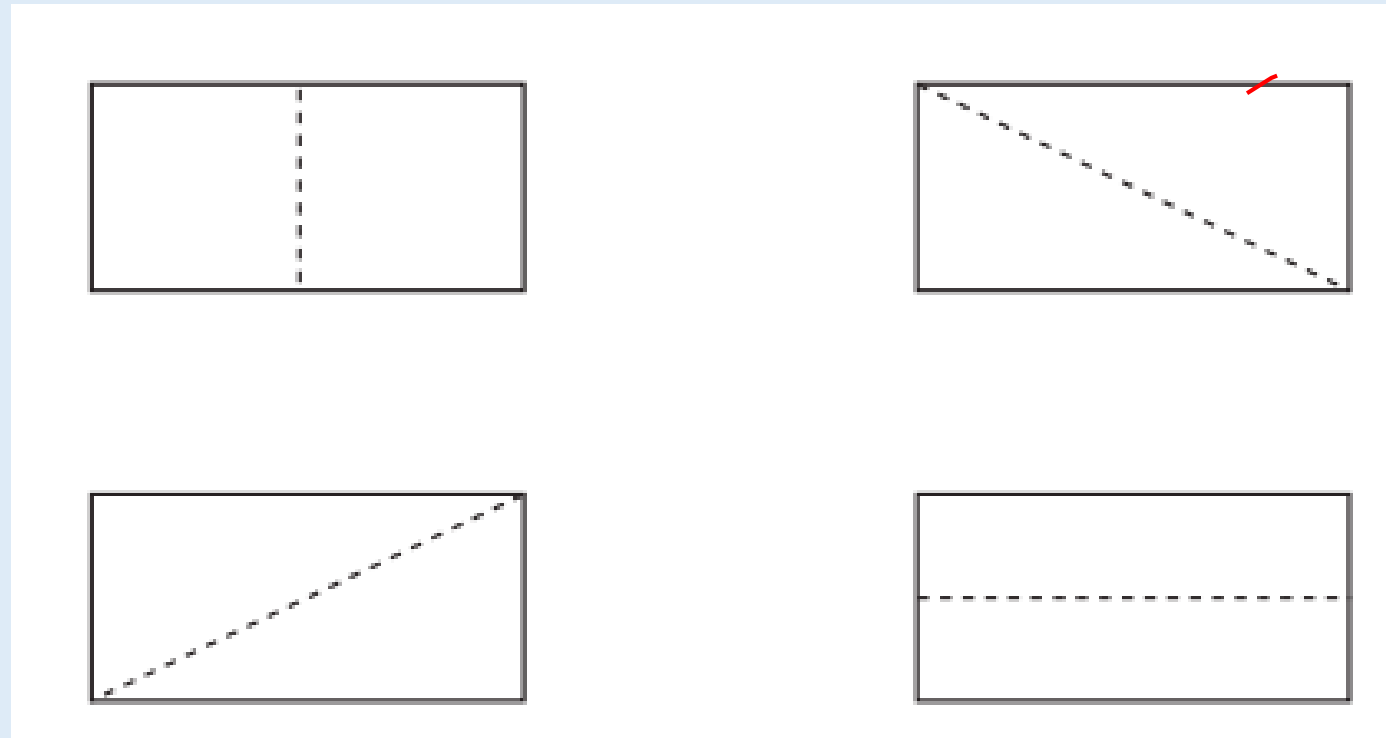
TP: How do you know it's half?

1 half is when we share a whole into 2 equal parts.

TPs: How do you know which cake is cut in half?



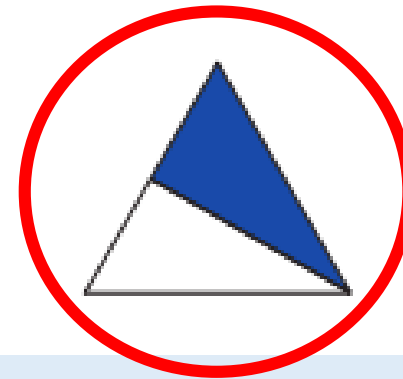
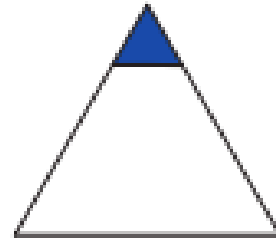
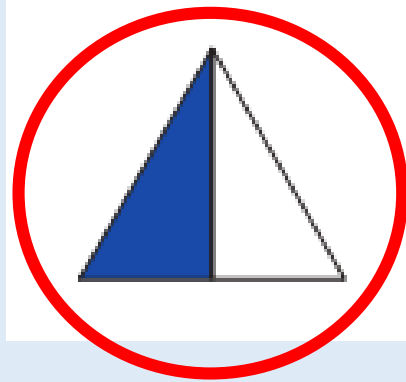
Self assessment
Do you understand how to find halves?
👍 👎 👏



*TP: Let's look at these rectangles.
Which one shows a half?*

They all show half because it is equal on both sides.

Which shapes show one half?

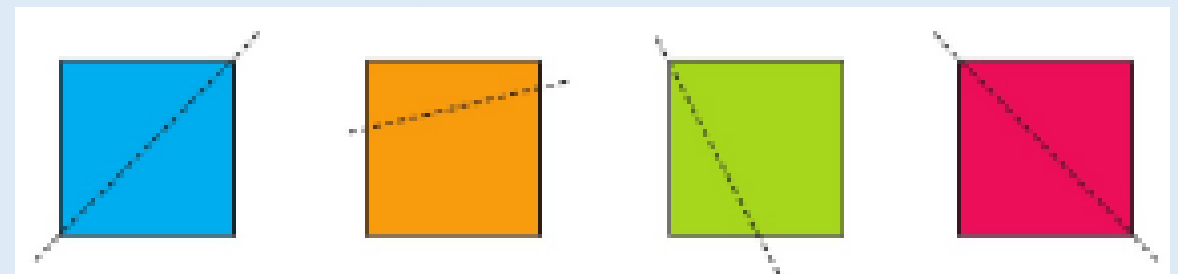


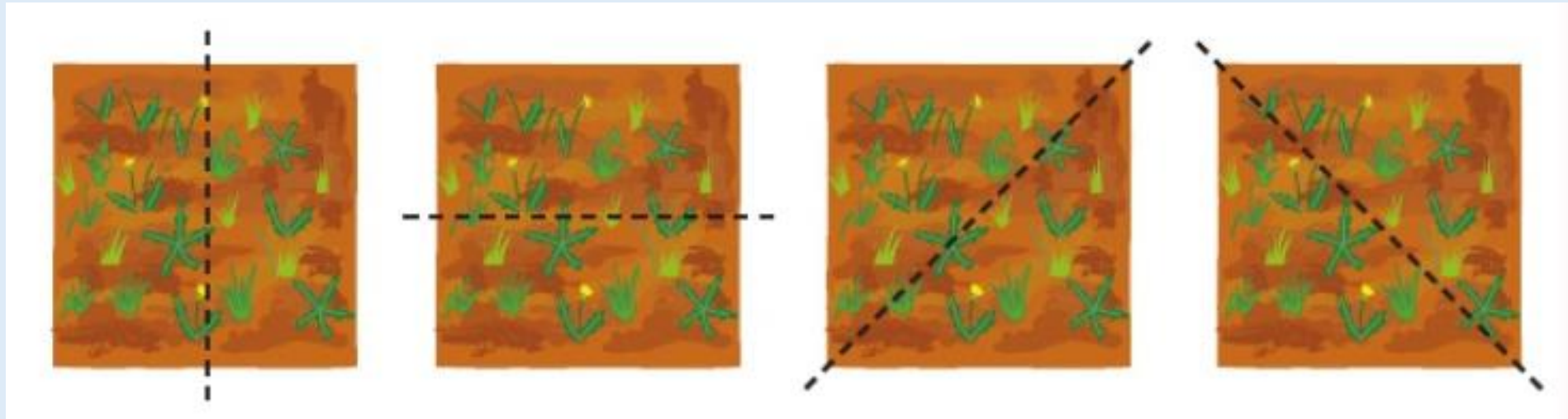
TP: Let's look at these triangles. Which one shows half?

The first and the third triangle shows half because it is equal on both sides. The other triangle does not show half because it is not equal on both sides.

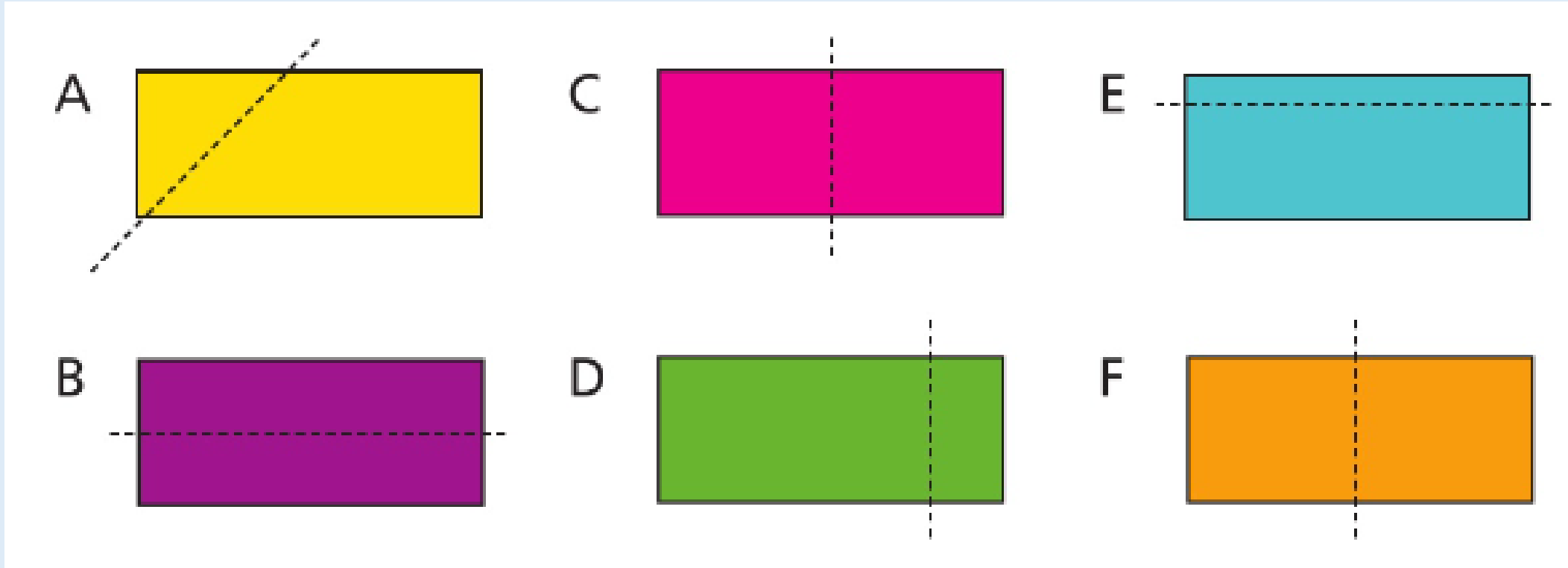
TP: How can the two gardeners share the flowers bed equally?

*Here are four squares.
TP: Which squares are split into halves?*





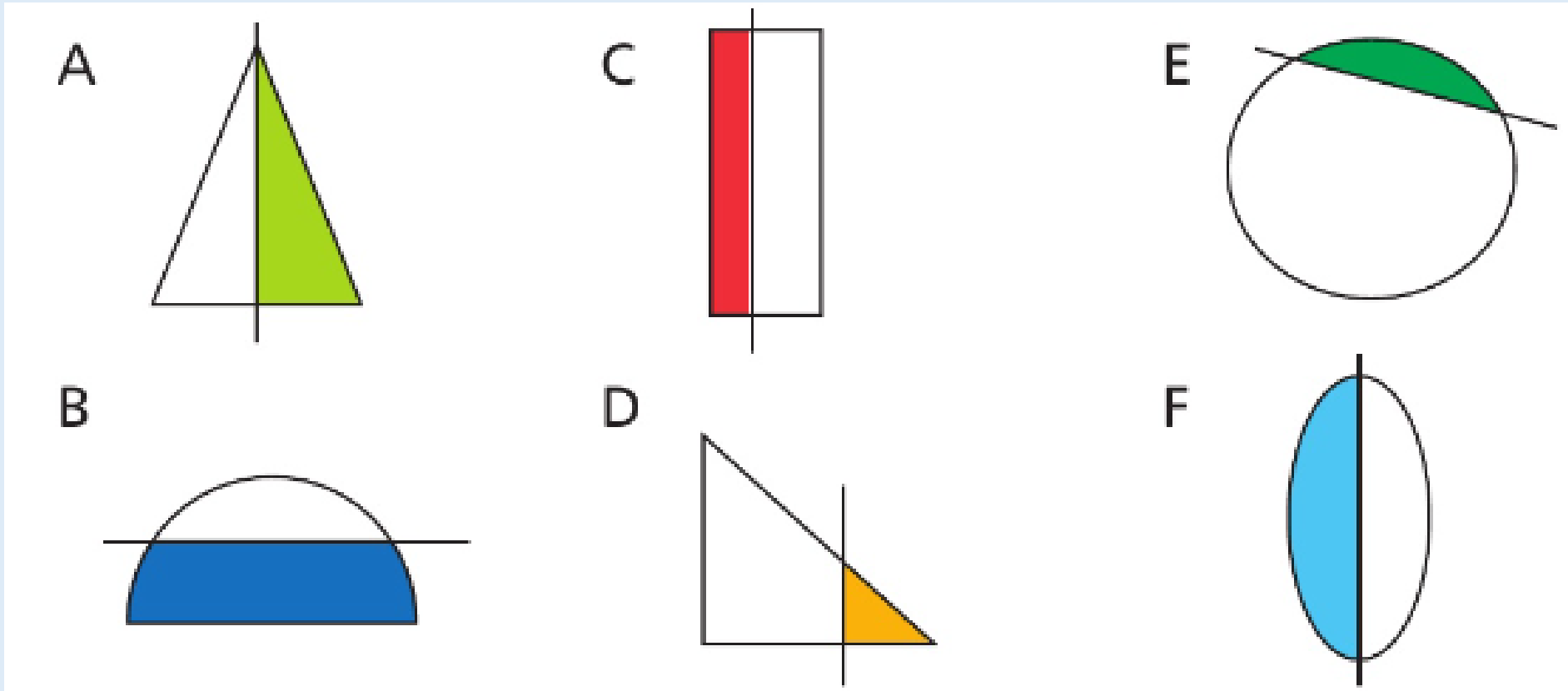
*The flowers beds can be split into 2 equal parts.
Here are four different ways they can be halved.*



Which rectangles show 2 halves?

How do you know?

B, C and F show halves as they all have 2 equal parts.



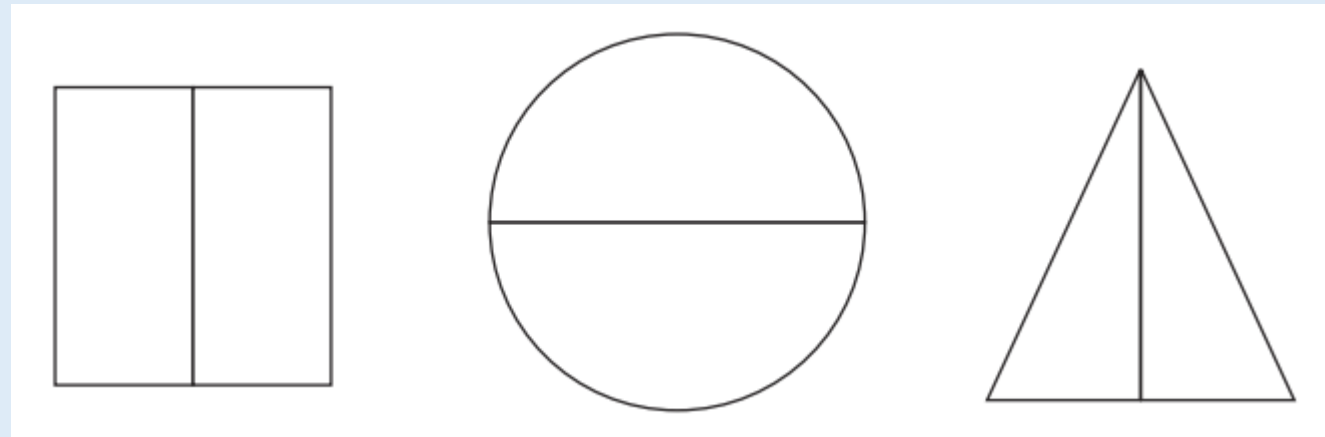
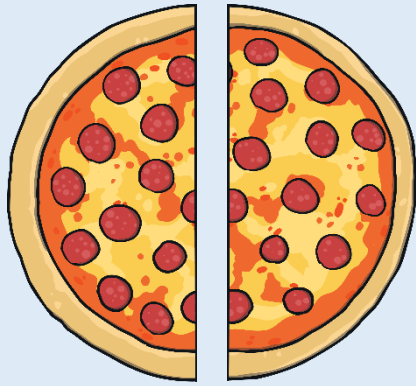
Which shapes show more than half shaded?

Which shapes show less than half shaded?

Explain how you know.

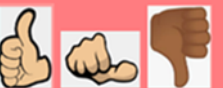
Your task

As a class we looked at finding the half of 2D shapes. We worked independently to explore halves by drawing around a simple shape and then drawing a line to show half. We cut the different shapes into two equal parts and compared the 2 halves.



Self assessment

Do you understand the task?



Tuesday 16th April 2024

Let's finish the sequence of counting on 2s.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

<https://www.topmarks.co.uk/learning-to-count/paint-the-squares>

TP: When we count in 2s, it always ends in _____.



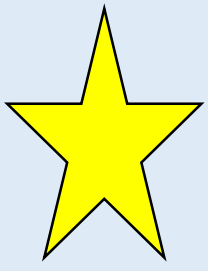
LQ: Can I find halves?

Steps to success



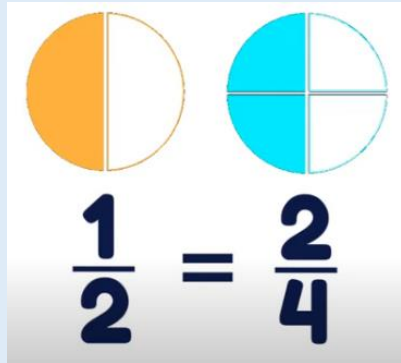
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I can explain my method of finding a half.

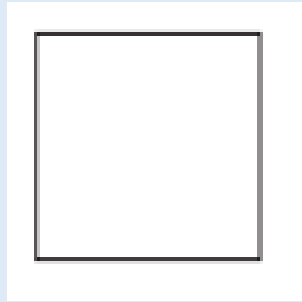


Star words

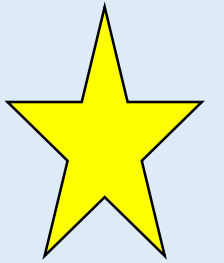
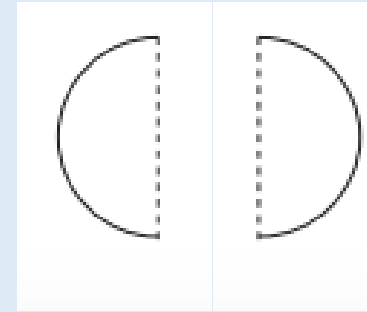
fraction



whole



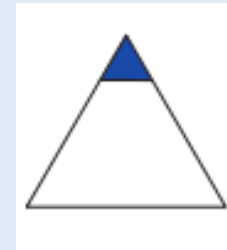
Half/ halves



equal



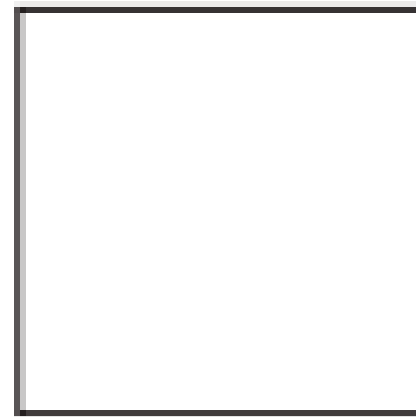
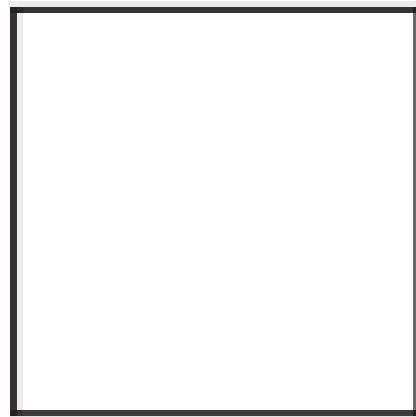
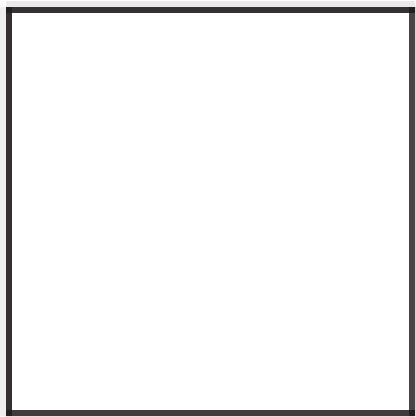
unequal



Can you show one half in three different ways?

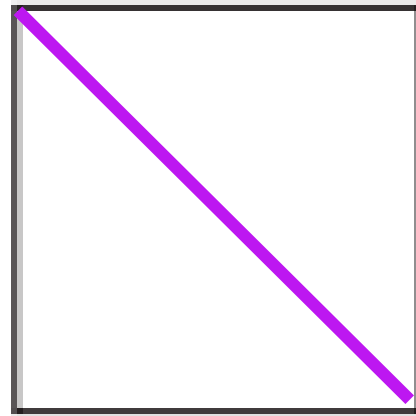
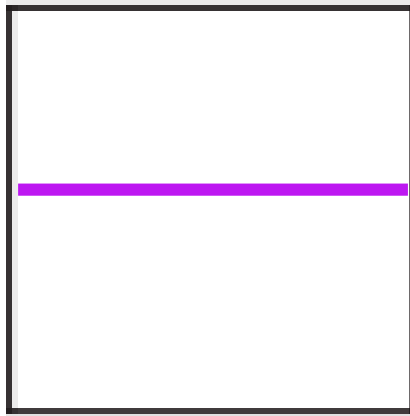
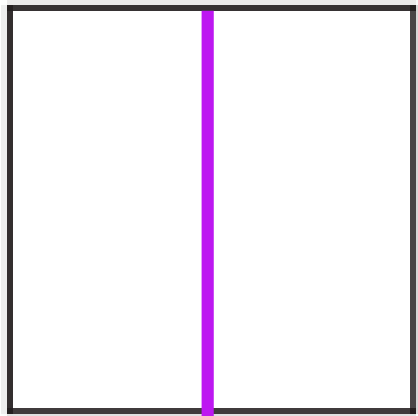
Draw 1 line on each square.

Remember half means 2 equal parts.

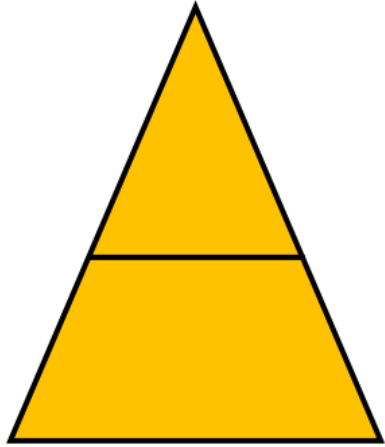


Can you show one half in three different ways.

Draw 1 line on each square.



True or False?



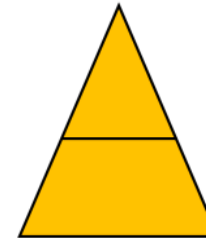
The triangle is split in half.

TP: Yes, it is a half because_____.

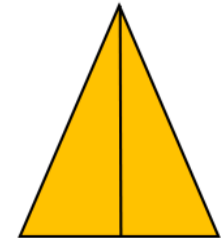
TP: No, it is not a half because_____.

True or False?

False



not half



half

The 2 halves must be equal.

Task

Use the star words to help you explain your answers.



2D shapes, half, halves, equal, parts



1. Draw a line on the shapes to show halves.

2. Jo thinks she has coloured half of each shape.



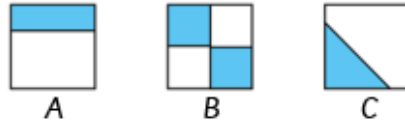
Do you agree?

Stem Sentence:

Yes, I agree because...

No, I disagree because...

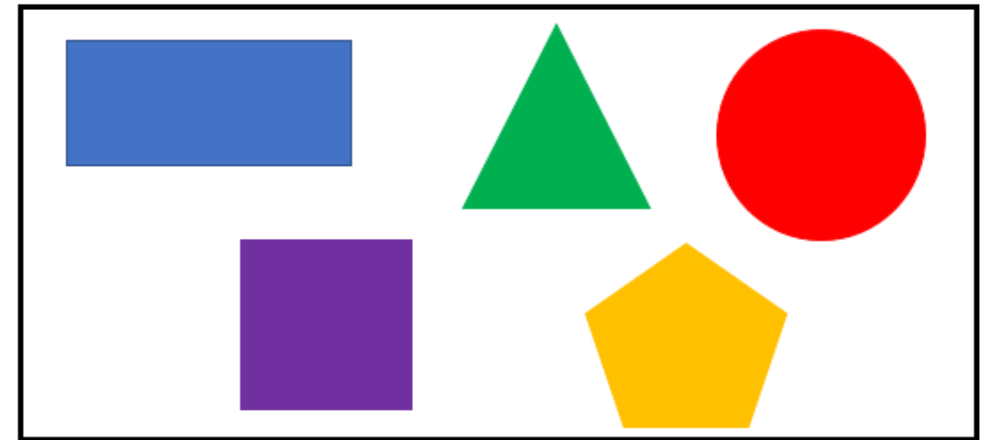
3. Which shape shows half?



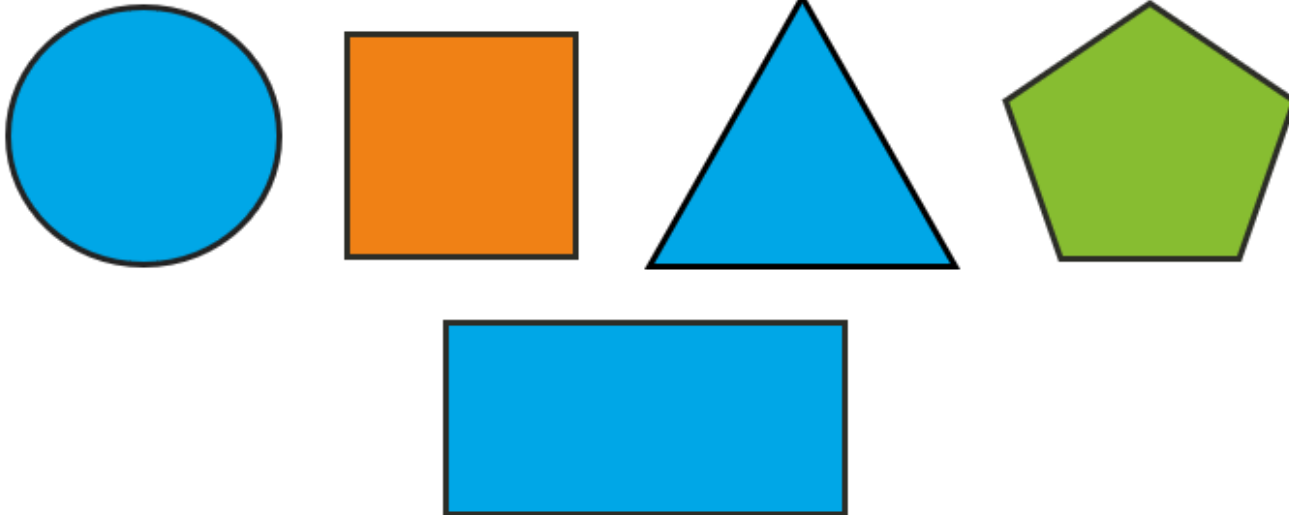
Stem Sentence:

Shape _____ shows half.

We worked in a small group to look at the halves of shapes. We used a pencil to draw a line to show each half and discussed how we knew it was a half.



1.



Self assessment

Do you understand the tasks?



Wednesday 17th April 2024

LQ: Can I make equal groups?

Let's make equal groups.

Make 3 equal groups of 5

There are ____ groups of ____.



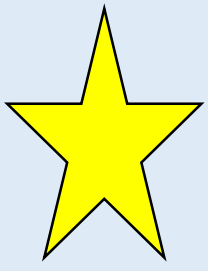
LQ: Can I find half of an amount?

Steps to success



I can confidently find half of an amount.

I can count how many objects are in each half.



Star words



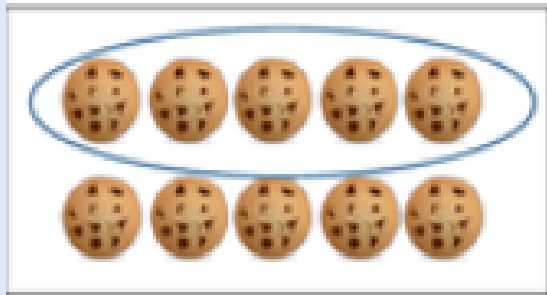
half/ halves



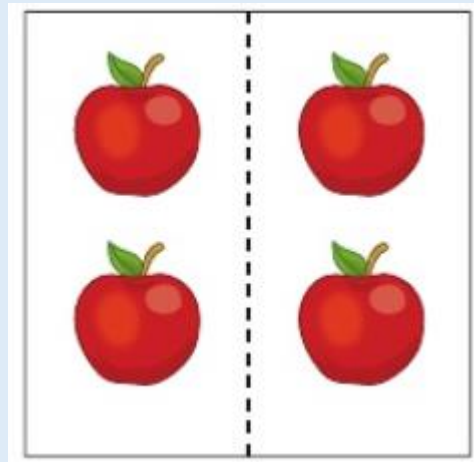
whole



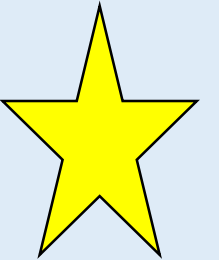
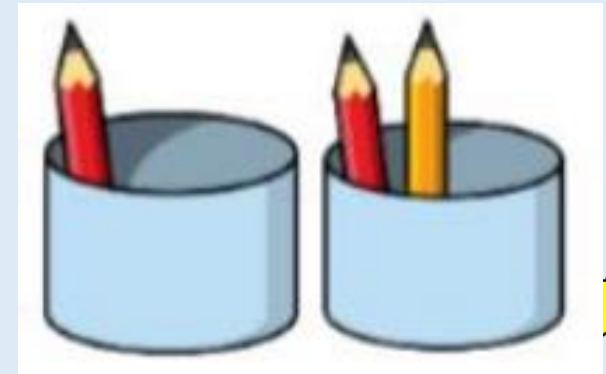
fraction



equal



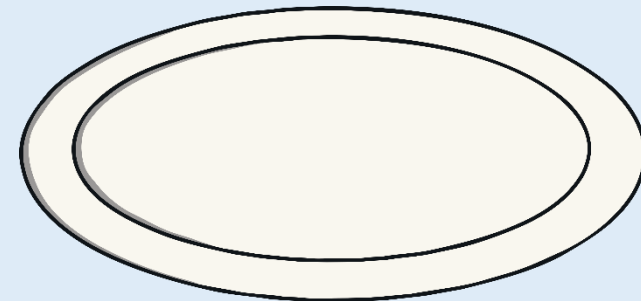
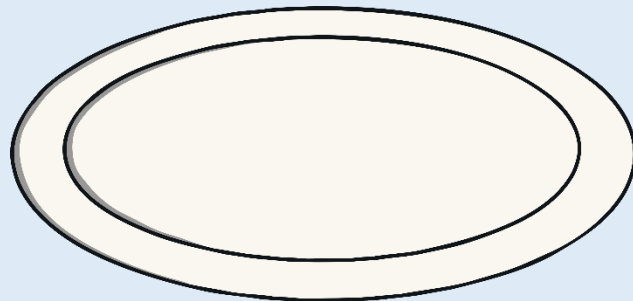
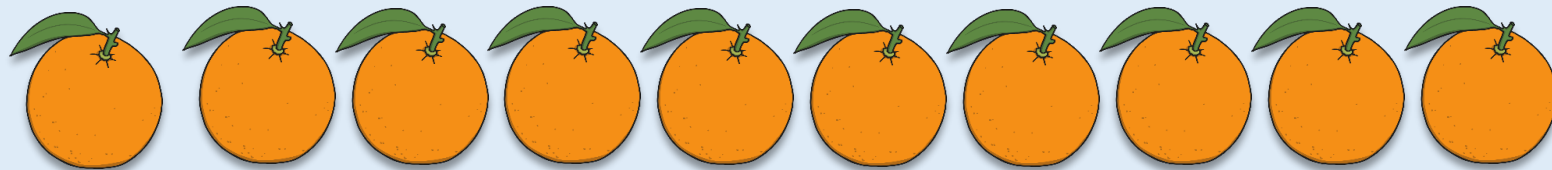
unequal



Today you are going to practice finding halves of amounts.
When we find halves of an amount, we have to share the objects between two groups equally.

I have 10 oranges.

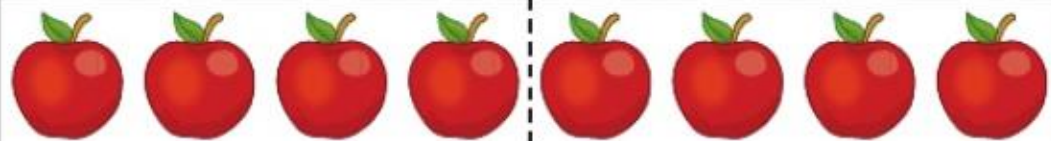
TPs: How can I make sure I have two equal parts?



Remember half means 2 **equal** parts.

Salma has 8 apples. She gives half of her apples to each horse.

TPs: How many apples does each horse get?



Remember half means 2 equal parts.

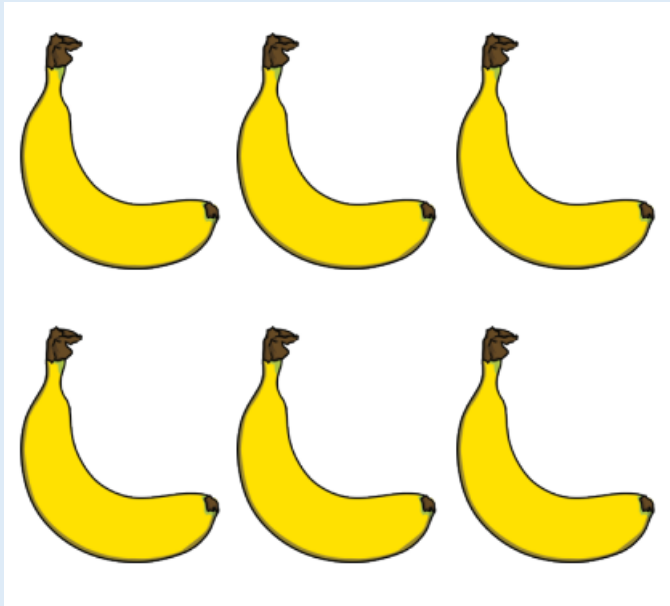
Discover



Each horse will get 4 apples.
Half of 8 is 4

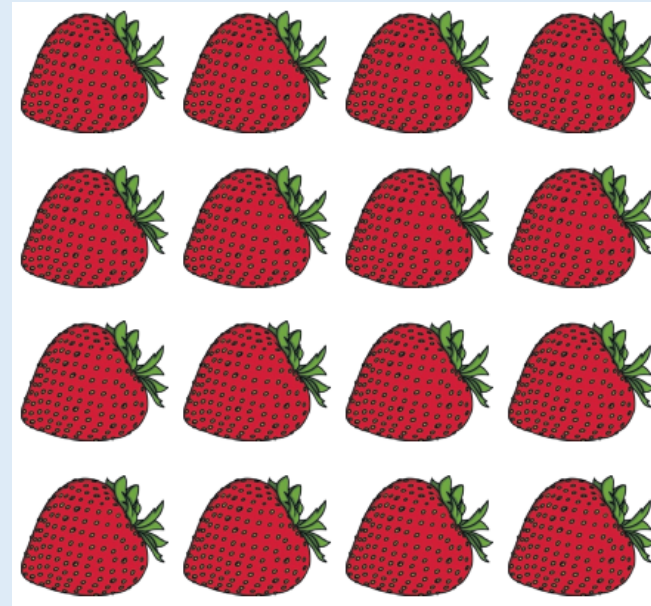
Let's work together to find half of these amounts.

Find half of 6.



Half of 6 is _____ .

Find half of 16.

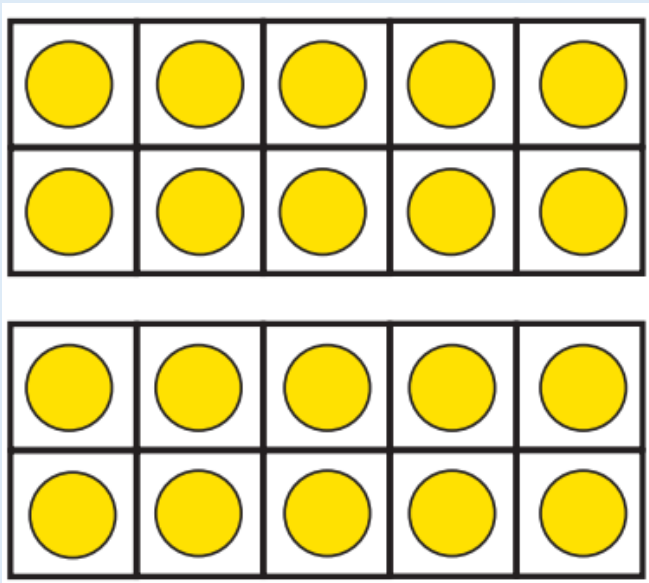


Half of 16 is _____ .

Remember half means 2 equal parts.

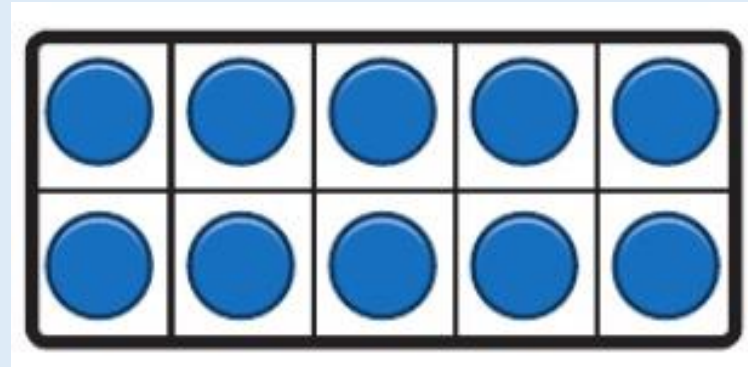
Let's work together to find half of these amounts.

Find half of 20.



Half of 20 is _____ .

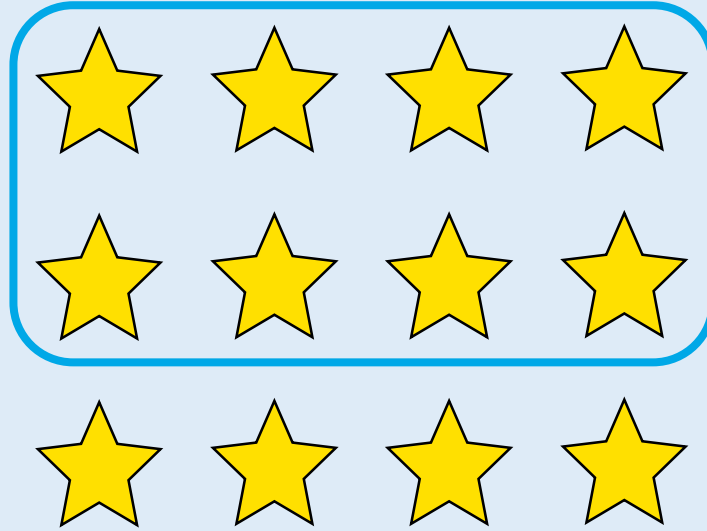
Find half of 10.



Half of 10 is _____ .

What have you noticed about the amounts?

Does this show one-half?



*This does not show a half because...
the two parts (groups) that make the whole are
not **equal**.*

Task

Find half for the following amounts by sharing the objects into two equal parts and explain your work using the stem sentence.

8 12 14 16 18 20 24 26

Half of _____ is _____ .

Self assessment

Do you understand the task?



Thursday 18th April 2024

Let's finish the sequence of counting on 2s.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
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<https://www.topmarks.co.uk/learning-to-count/paint-the-squares>

TP: When we count in 2s, it always ends in _____.



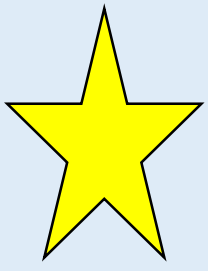
LQ: Can I find halves of amounts?

Steps to success



I can confidently find half of an amount.

I can count how many objects are in each half.



Star words



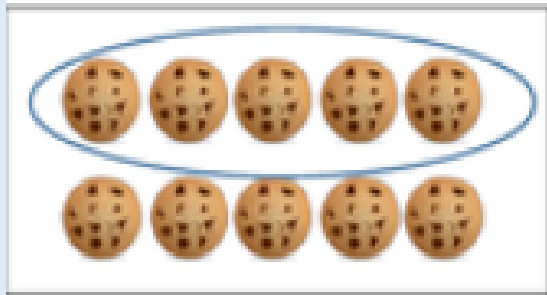
half/ halves



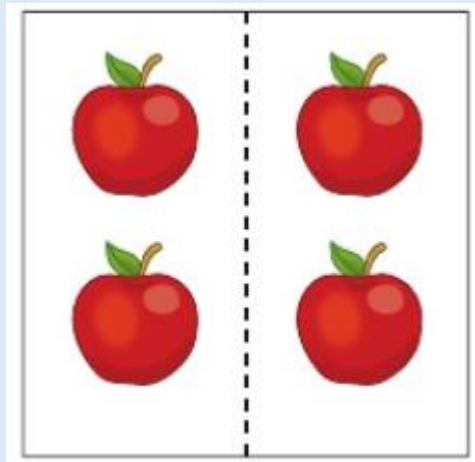
whole



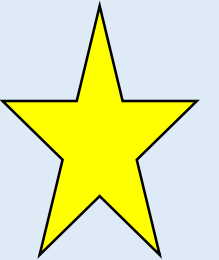
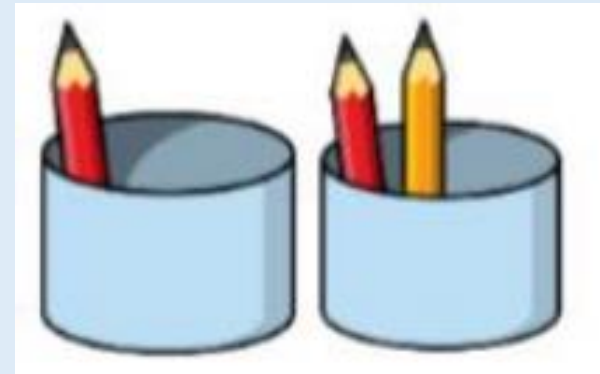
fraction



equal



unequal

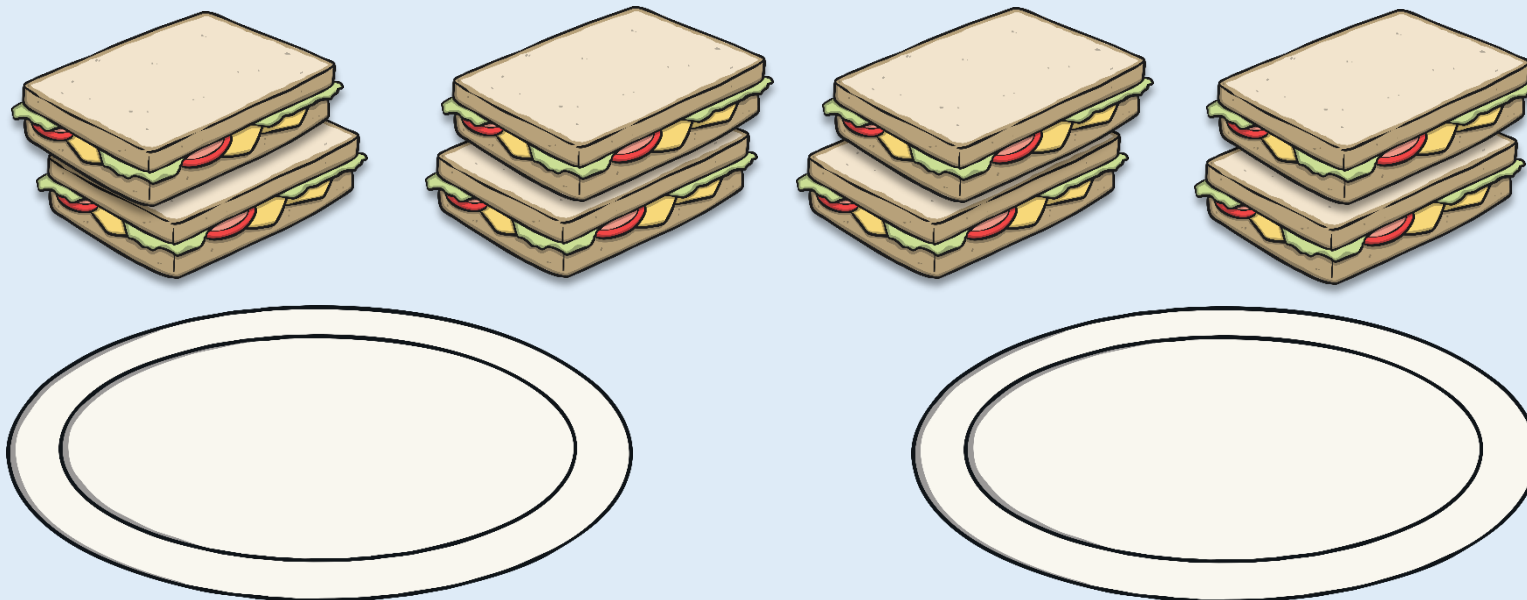


Today you are going to find halves of amounts.

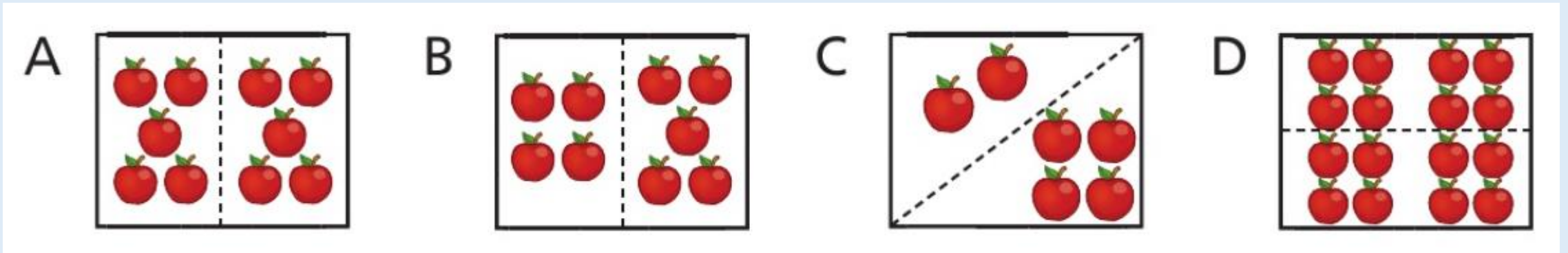
TPs: What does half mean?

Half means _____.

Let's share the sandwiches in half.

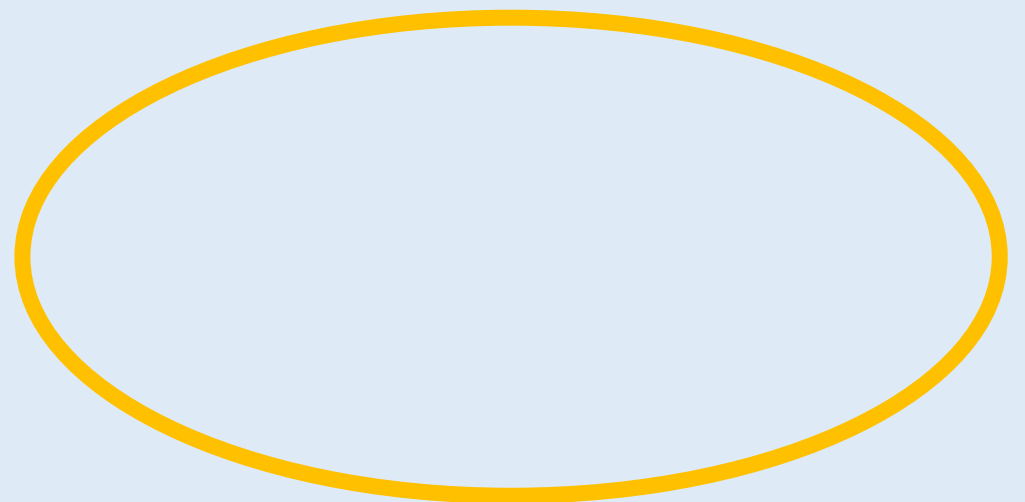
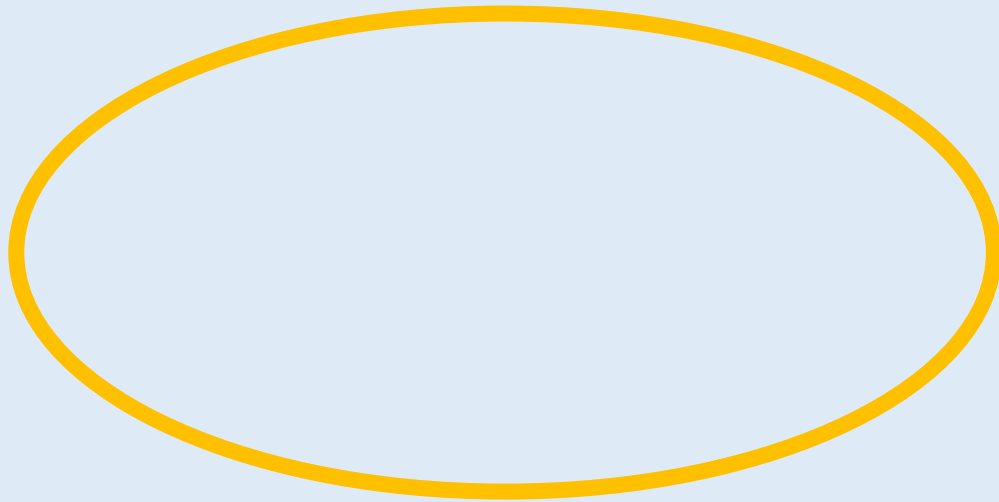
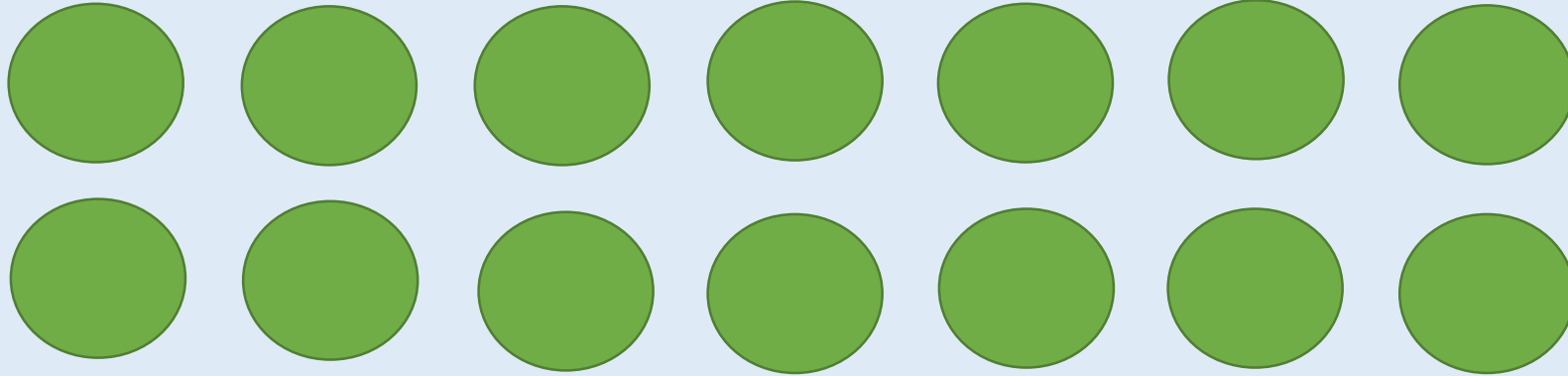


TPs: Which groups of apples have been shared into halves?



Remember half means 2 equal parts.

What is half of 14?



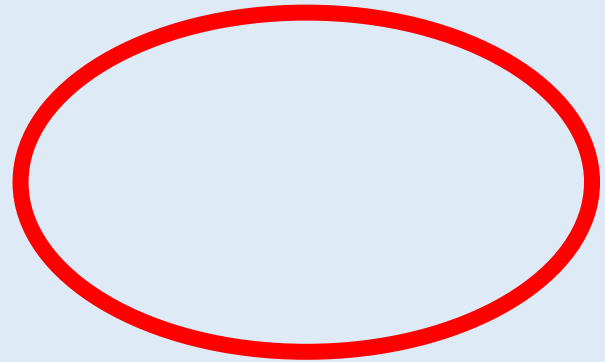
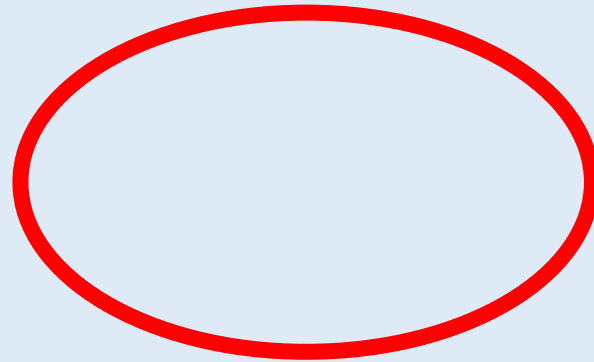
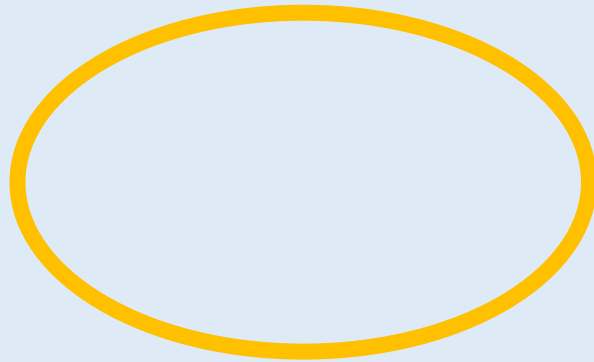
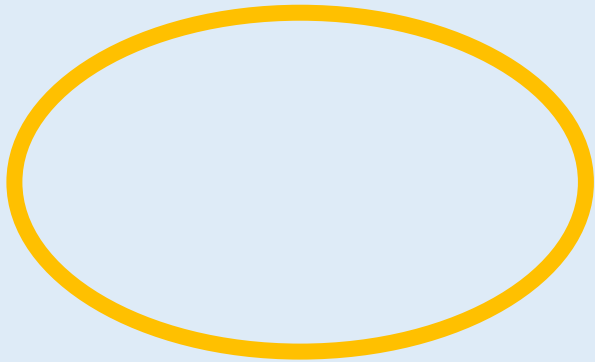
Half of 14 is _____ .

Remember half means 2 equal parts.

Let's share the amount equally to find half of these amounts.

What is half of 10?

What is half of 14?



Half of _____ is _____ .

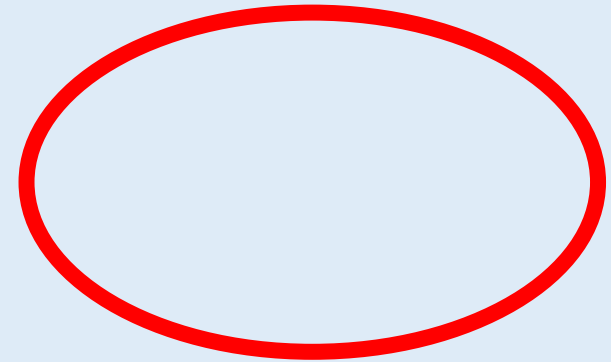
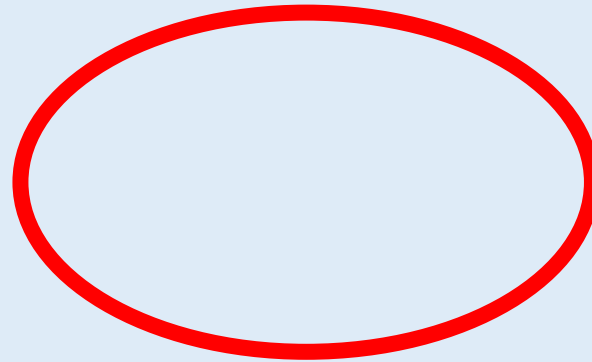
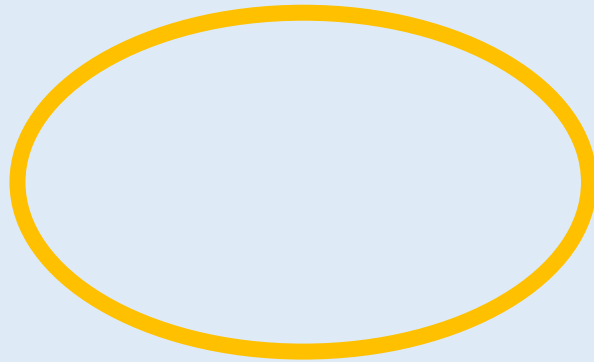
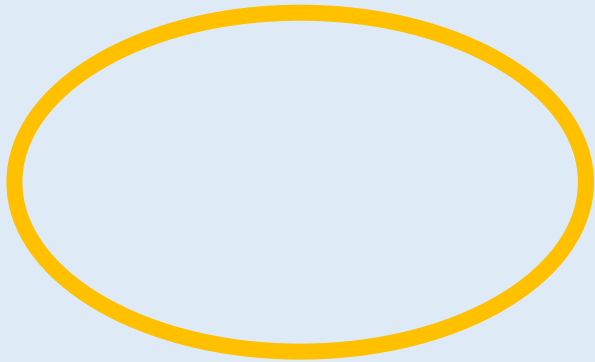
Half of _____ is _____ .

Remember to count one group to work out half.

Let's share the amount equally to find half of these amounts.

What is half of 20?

What is half of 18?



Half of _____ is _____ .

Half of _____ is _____ .

Remember to count one group to work out half.

LQ: Can I find half of an amount?

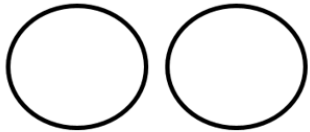
Task

Use the star words to help you explain your answers.

**amounts, half, halves, equal, parts**

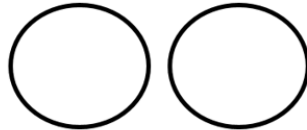
Today I found halves of amounts by sharing the amount equally into two groups. Then I counted to check how many were in each half. I completed the stem sentence:
Half of _____ is _____.

Find half of 8



Half of _____ is _____.

Find half of 10



Half of _____ is _____.

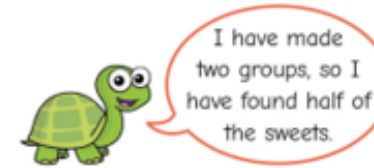
1. Draw two groups and share the following amounts equally. Use the stem sentence to complete each statement in your book.

half of 10**half** of 18**half** of 16

E.g.

**Half** of _____ is _____.

2.



Tiny is finding half of the sweets.

Do you agree?

Stem Sentence:

Yes, I agree because...

No, I disagree because...

3.

Ron and Kim have some counters. Ron has half of the counters and Kim has half of the counters.

Draw Kim's counters.



Ron



Kim



How many counters are there altogether?

What is half of the total?

Self assessment

Do you understand the tasks?



Friday 19th April 2024

LQ: Can I find one more than a given number?

What happens to the numbers when we find one **more**?



1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

TP: One more than _____ is _____.

<https://www.topmarks.co.uk/learning-to-count/paint-the-squares>



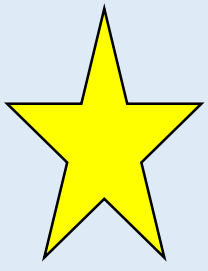
LQ: Can I find quarters?

Steps to success



I can confidently find a quarter of each shape.

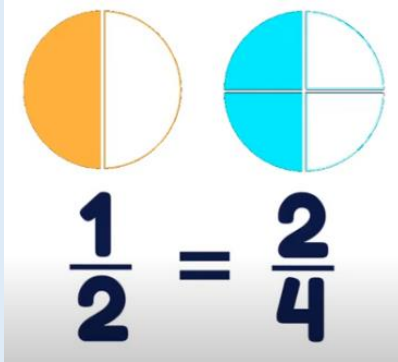
I can explain my method of finding a quarter.



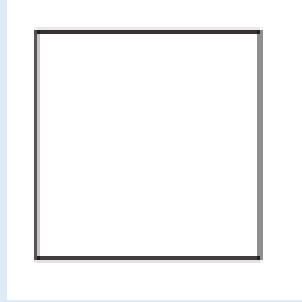
Star words



fraction



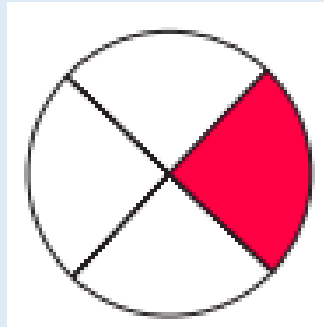
whole



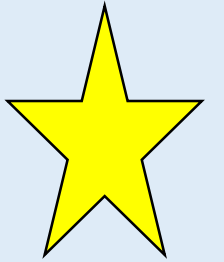
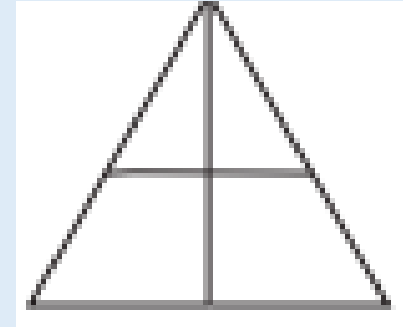
quarter/ quarters



equal



unequal

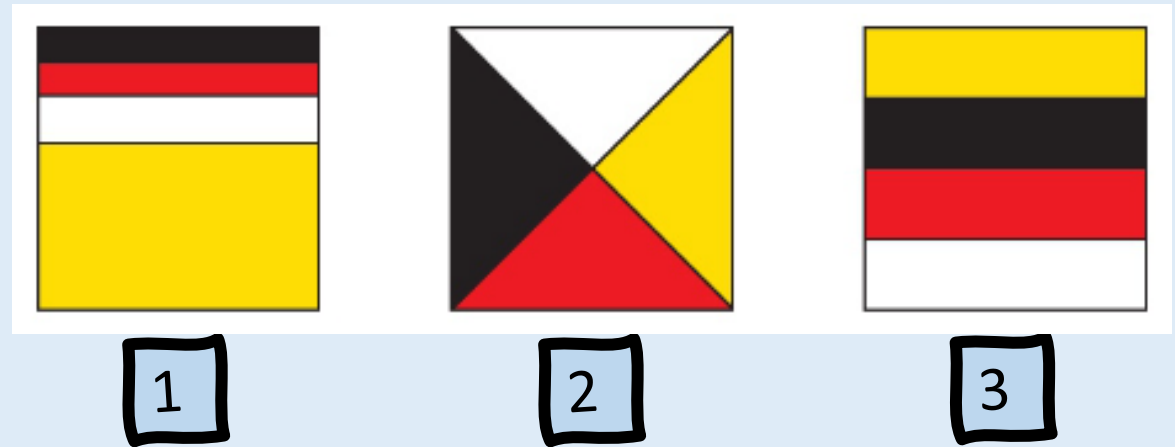


<https://www.youtube.com/watch?v=ryGvCND0AR0>

TP: What does a **quarter** mean?

A quarter means you cut the shape in half and half again to make 4 equal parts.

TP: Which pictures show 4 quarters?
How do you know?



Self assessment

Do you understand what quarters mean?





1

2

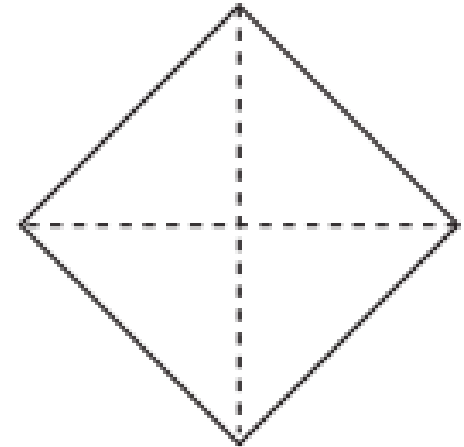
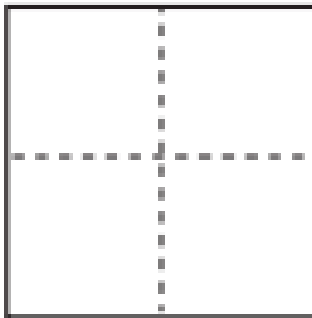
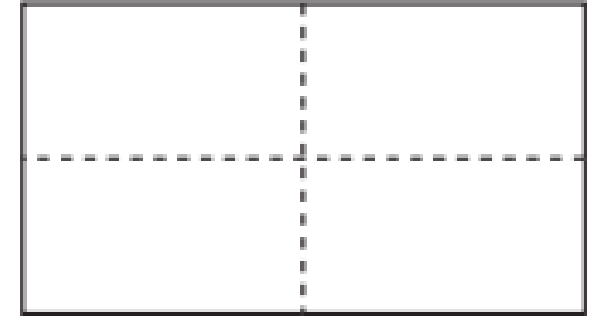
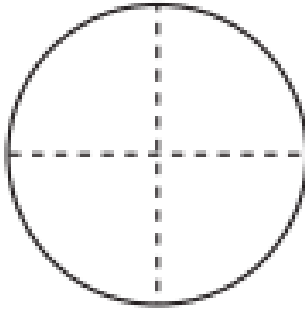
3

Remember when you split shapes into quarters, the parts must be equal.

2 and 3 are quarters because each part is equal.

Let's look at these shapes and see if they are split into quarters.

*TP: Are these quarters?
How do you know?*



Self assessment

Do you understand how to identify quarters?

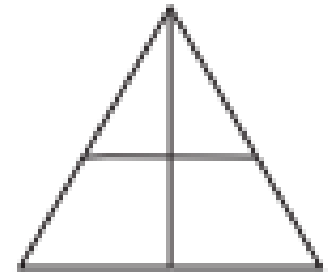
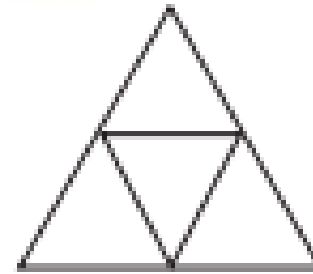
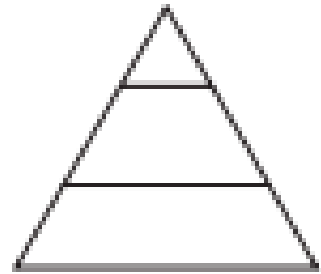


*TP: Is she correct?
How do you know?*

Kim wants to show a quarter.



None of these show quarters.



She is incorrect because the middle triangle shows quarters. It has 4 equal parts.

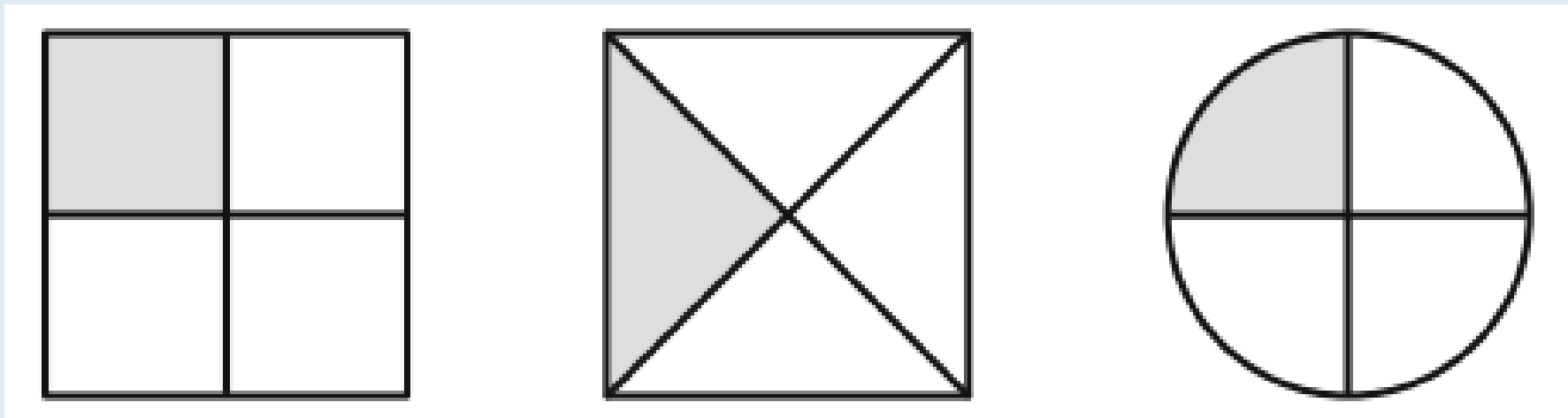
Self assessment

Do you understand that quarters need to have 4 equal parts?



Task

Trace around the 2D shapes. Draw two lines on the shapes to work out quarters.



Self assessment

Do you understand the task?

