

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

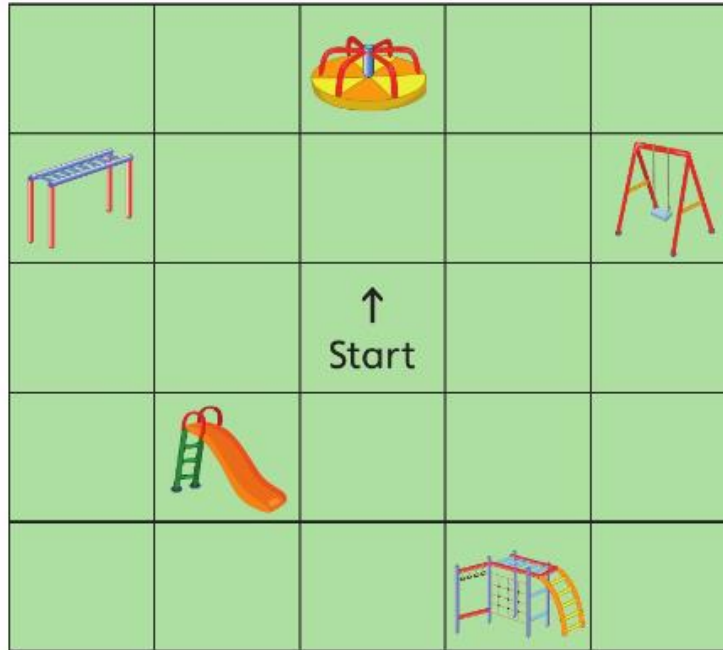
Find one more/ less than a 100
Describe number patterns

Fractions

Finding halves
Finding quarters



3



Begin at Start and follow the instructions.

Where do you end up?

- 1 Walk 1 square forwards.
- 2 Make a quarter turn left.
- 3 Walk 2 squares forwards.

Can you make up your own story to get to a different place in the playground?



Monday 29th April 2024

LQ: Can I count in 5's to 50.

29.04.24

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: when we count in 5s it ends in a
_____ or _____.



LQ: Can I describe turns?

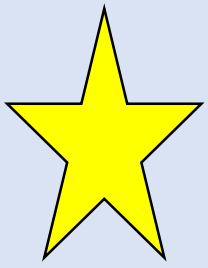
Steps to success



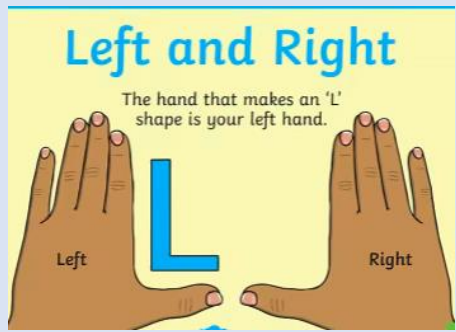
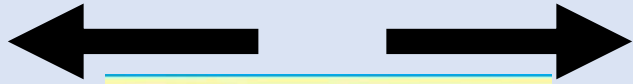
I can describe the turn of an object using the words 'quarter', 'half', 'three-quarter' and 'whole'.

I can recognise that a half turn will result in facing the opposite way.

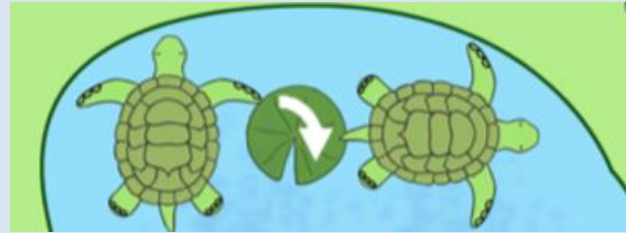
I can recognise that a whole turn will result in facing the same way.



Star words



One quarter turn



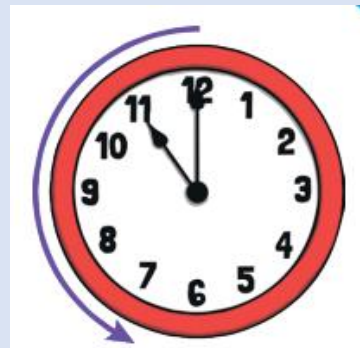
One whole turn



Clockwise



Anti clockwise



Half a turn




David is facing the rock.
He makes half a turn.

TP: What is he facing now?



David is facing the tree because he made half a turn.
The tree is opposite the rock.

David is facing the  .

He makes a half turn.

What is he facing?

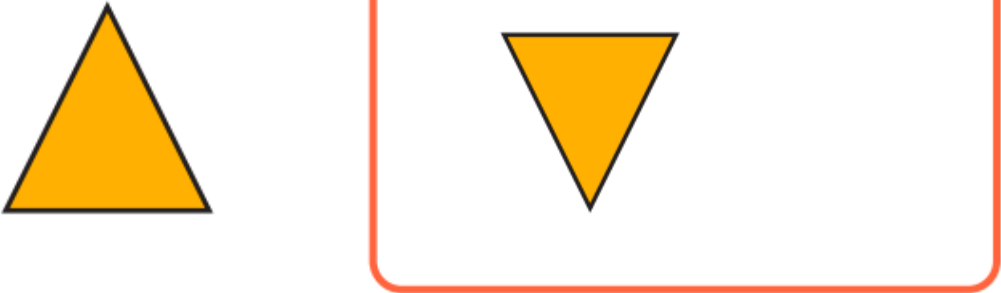


Let's stand up and use our body to work it out.

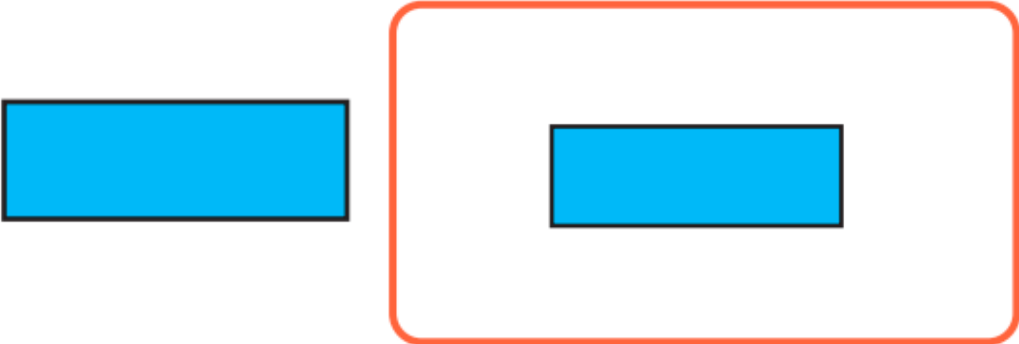
TP: Does the triangle show a half of a turn? How do you know?

TP: Does the rectangle show a quarter of a turn? How do you know?

a) a half turn

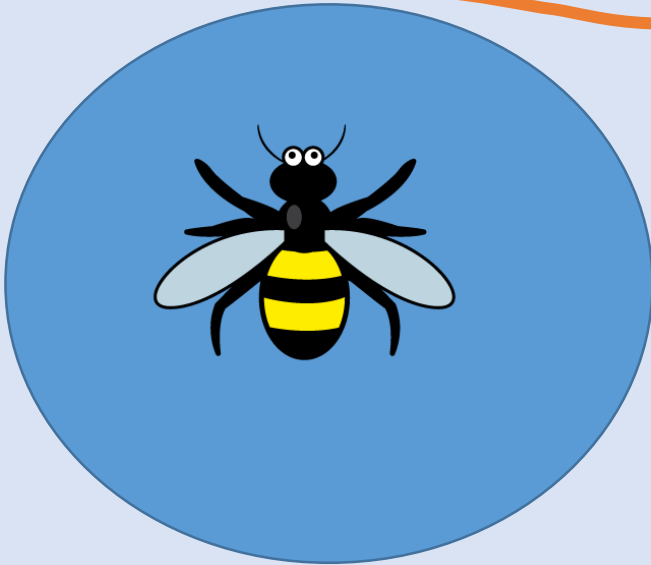


b) a quarter turn



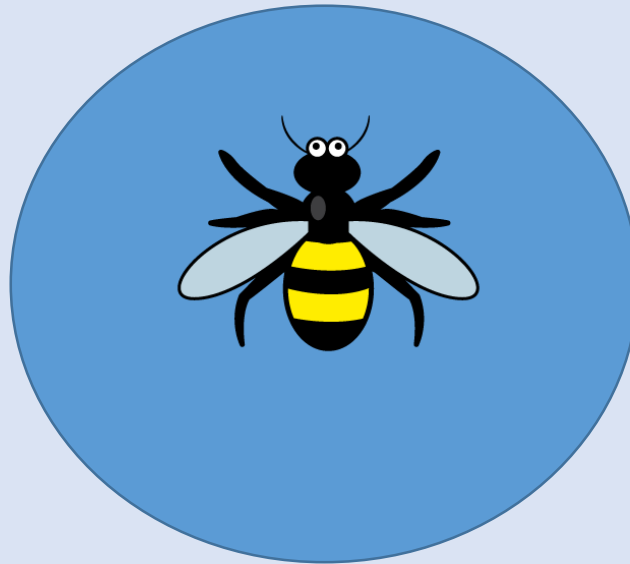
Can you describe the turn the bee has made?

TP: How do you know the bee made whole turn?



whole turn

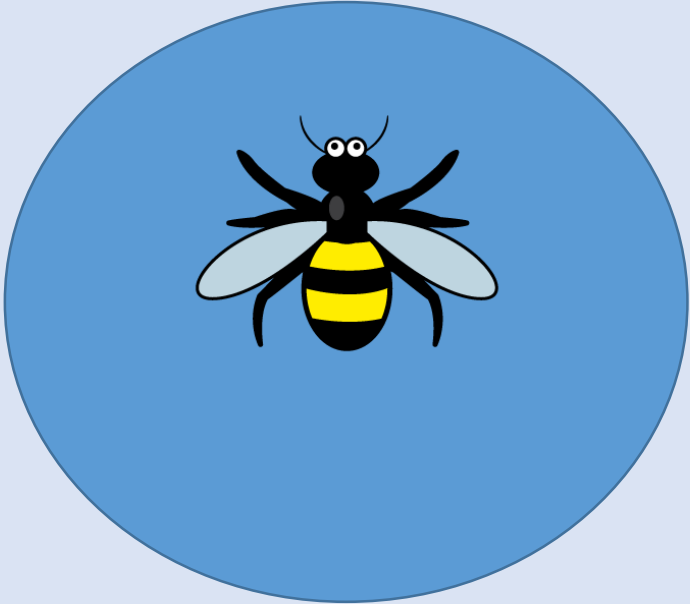
TP: How do you know the bee made a quarter turn?



quarter turn

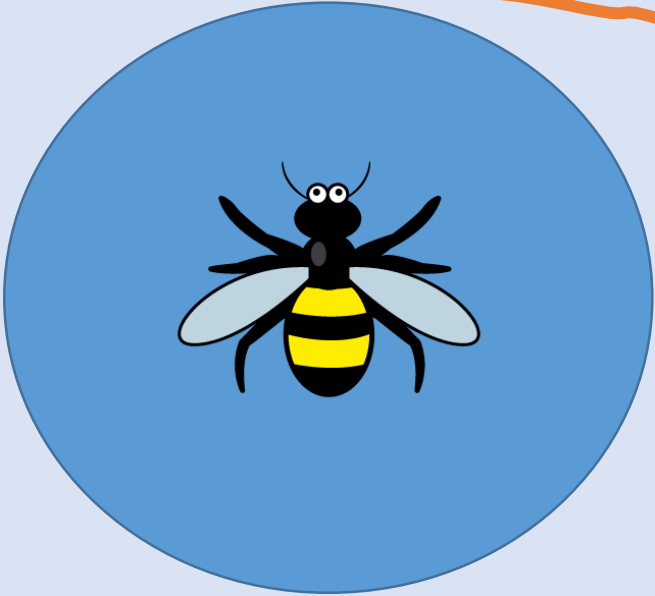
Can you describe the turn the bee has made?

TP: How do you know the bee has made a half of a turn?



Half turn

TP: How do you know the bee has made three quarters of a turn?



Three- quarter turn

Let's have a go at playing a game of Simon says. The teacher is going to tell you a command and you have to follow it.

Simon says

half turn

quarter, turn

whole turn

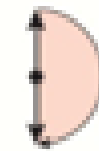
three quarter turn

left

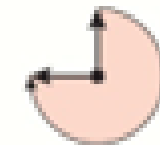
right



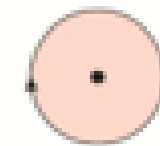
Quarter turn



Half turn



Three-quarter turn



whole turn

Self assessment

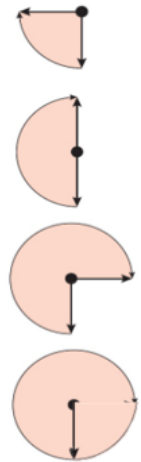
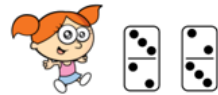

Do you know how to describe the turns?



Task

Use the star words to help you explain your answers:

★ half turn, facing, turn, quarter turn, three-quarter turn, position, whole turn, ★

<p>1. Write the correct turn next to each image. Use the word bank.</p> <p style="text-align: center;"><u>Word bank</u></p> <p style="text-align: center;">Whole turn quarter turn Half turn three-quarter turn</p> 	<p>2. Is she correct?</p>  <p>Alex has turned the domino a half turn.</p> <p><u>Sentence starter</u> Yes, she is correct because _____. No, she is incorrect because _____.</p>	<p>3. Draw this arrow to show how it will look if it made a quarter turn.</p> 
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29.04.24	I WS
<u>LQ: Can I describe turns?</u>	1 2 3

Today we worked in a small group to follow directional instructions said by the teacher. We looked at the images and completed the turn with our body, and repeated the directional word out loud.

Self assessment

Do you understand the tasks?



Tuesday 30th April 2024

Let's complete the fact families together.

+

14

8

6

+ =

+ =

- =

- =



LQ: Can I describe directions?

Steps to success

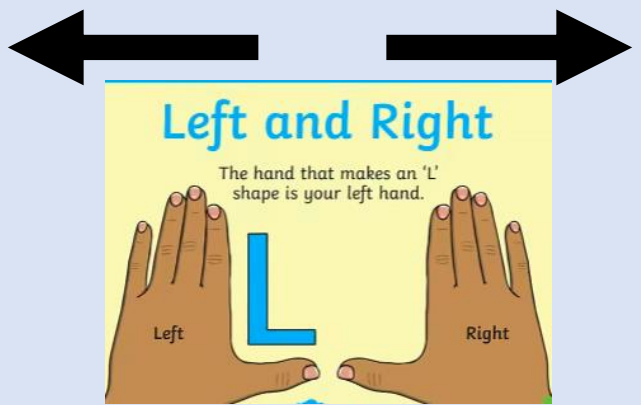
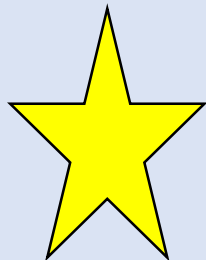
I can describe direction.

I can use the words 'left, right, forwards, backwards, quarter, half turn, three quarter turn, full turn' to describe direction.

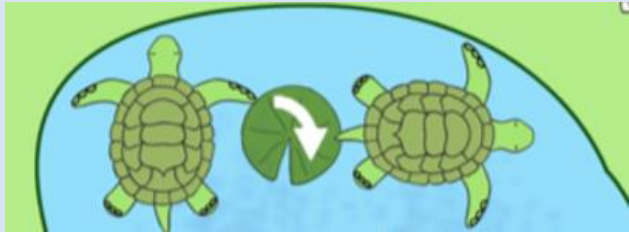
I can follow a sequence of steps.



Star words



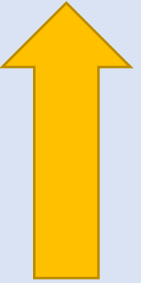
One quarter turn



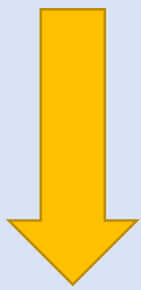
One whole turn



forwards



backwards



Half a turn



Let's join in with a direction dance.



https://www.youtube.com/watch?v=_wSq0ZOHugg

Max and Anna are playing a game of position and direction. Max gives Anna instructions. She has to walk along the rope.

TPs: What turn will she make at the next cone?
Will she turn **left** or **right**?

Discover

Max

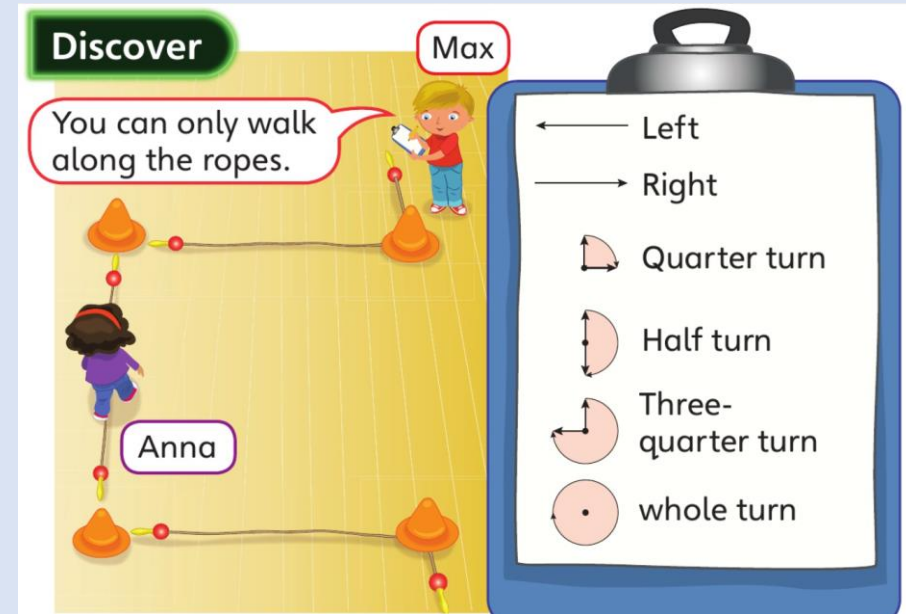
You can only walk along the ropes.

Anna

- ← Left
- Right
- ↻ Quarter turn
- ↷ Half turn
- ↻ Three-quarter turn
- ⦿ whole turn

Anna will turn _____.

TPs: What instructions does Max need to give to Anna to help her get to the end of the maze?



Walk forwards.

Make a quarter turn.

Walk forwards.

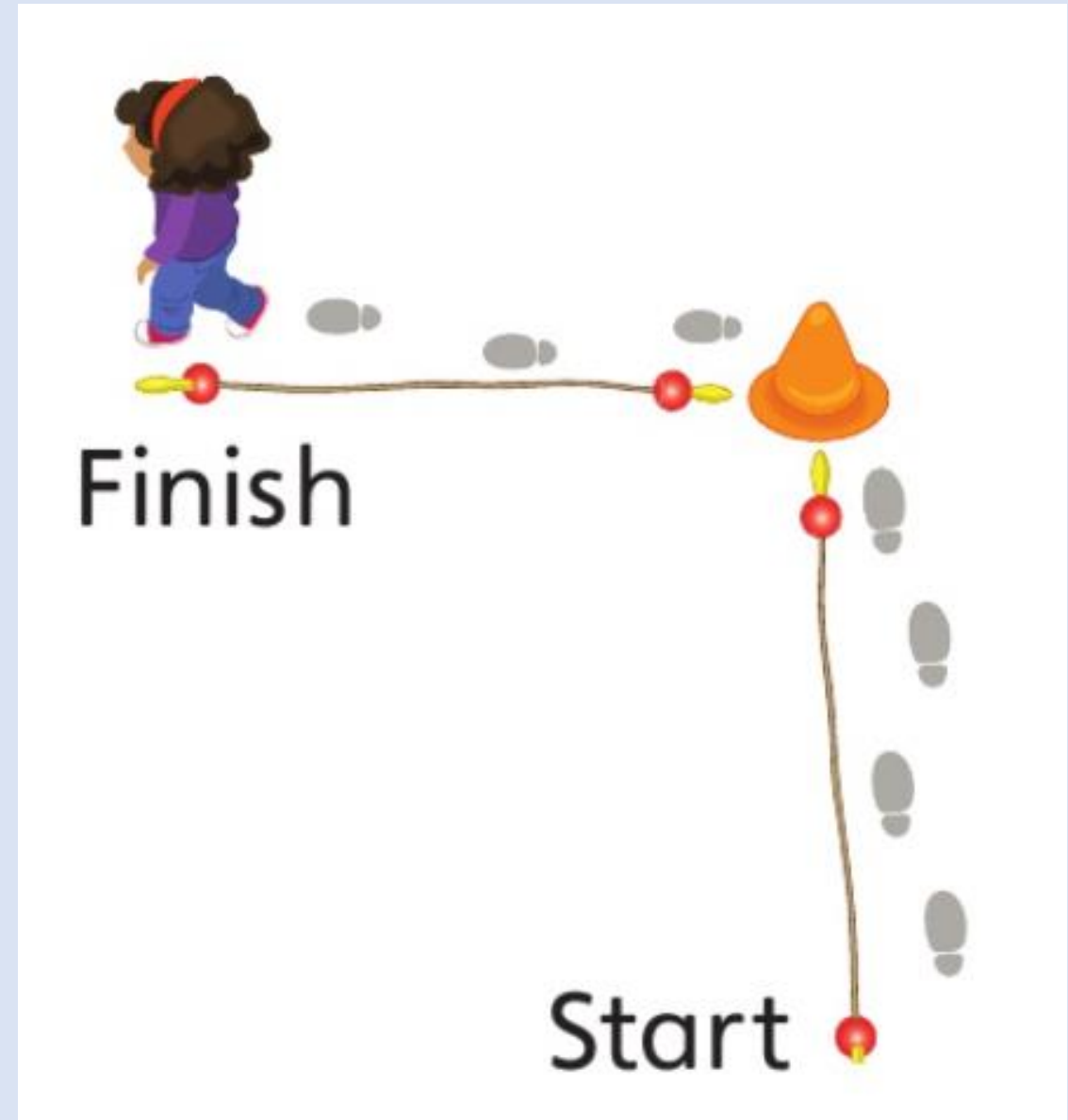


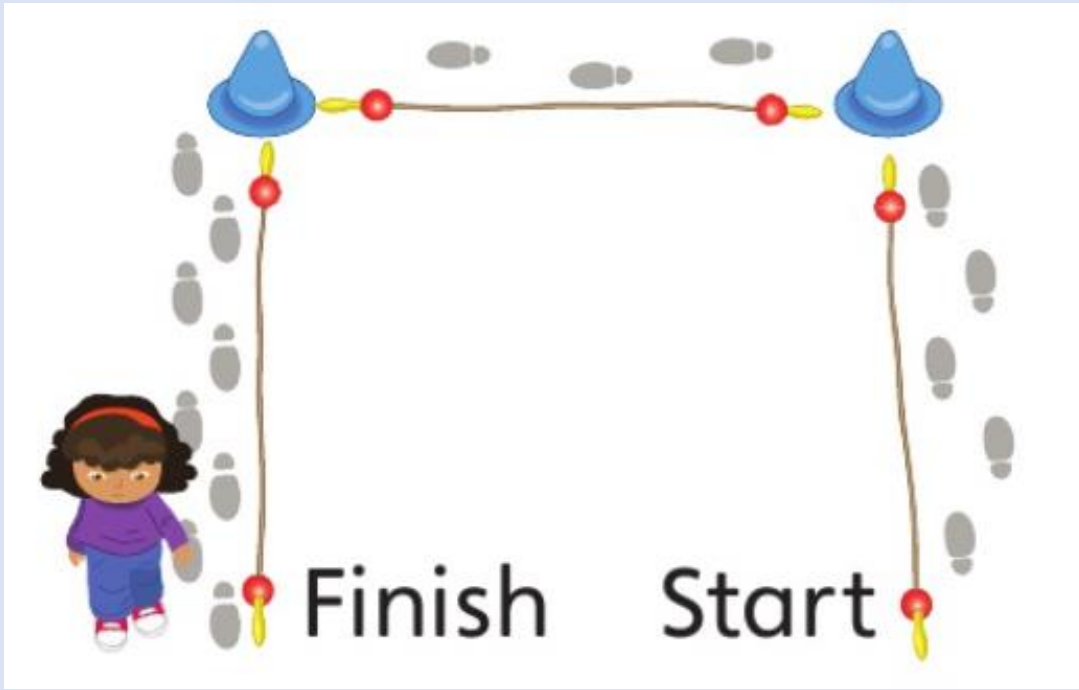
Describe Anna's route. Put the sentences in the correct order using 1, 2 and 3.

Walk 3 steps forwards.

Make a quarter turn left.

Walk 4 steps forwards.





Complete the sentences to describe Anna's route. Remember to count the steps.

First walk steps _____ .

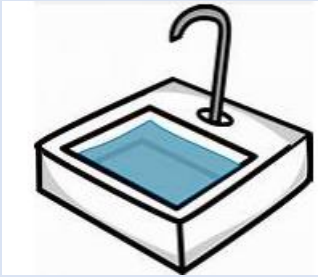
Then make a _____ turn _____ .

Next walk steps _____ .

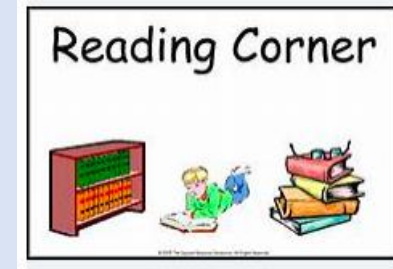
After that make a _____ turn _____ .

Finally walk steps _____ .

forwards left right
quarter turn half turn three-quarter turn



half turn
quarter, turn
whole turn
three quarter turn
left
right
___ steps forwards
___ steps backwards



CT: choose a child to demonstrate and direct them to an object/place in the classroom.

Self assessment

Do you know how to describe the direction?



Task

Let's follow the instructions and see where you end up!

Begin at start and follow the instructions

- 1) Walk 1 square forwards
- 2) Make a quarter left turn
- 3) Walk 2 squares forwards

Begin at start and follow the instructions

- 1) Make a half turn clockwise
- 2) Walk forwards 1 square
- 3) Quarter turn right
- 4) Walk 1 square forwards



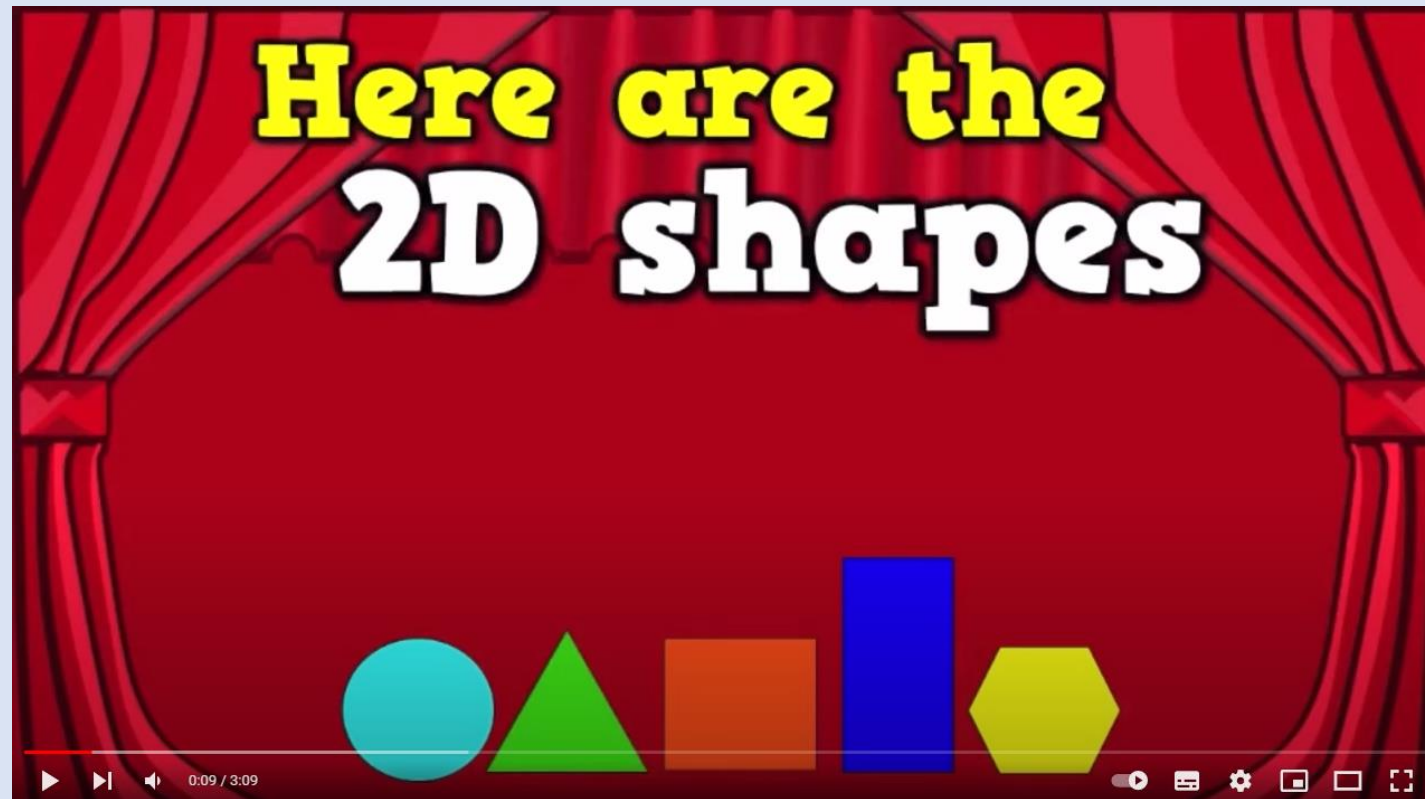
Self assessment

Do you understand what to do?



Wednesday 1st May 2024

<https://www.youtube.com/watch?v=LirJoYjx-eA>





LQ: Can I describe directions?

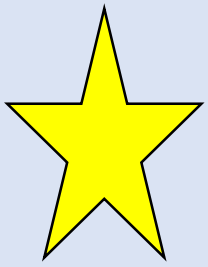
Steps to success

I can describe position.

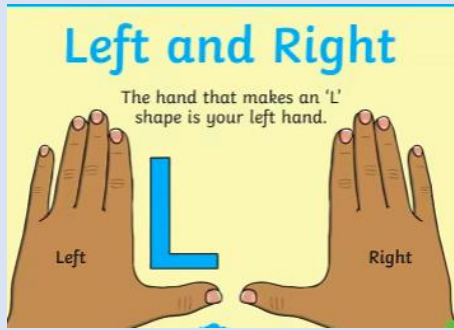
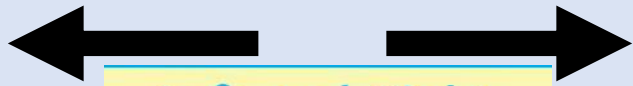
I can use the words 'left, right, forwards, backwards, quarter, half turn, three quarter turn, full turn' to describe positions.

I can follow a sequence of steps.

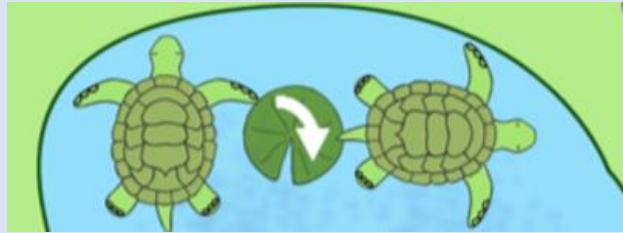




Star words



One quarter turn

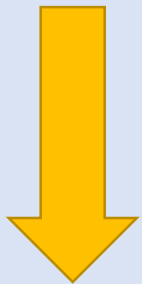


Half a turn



forwards

backwards



One whole turn

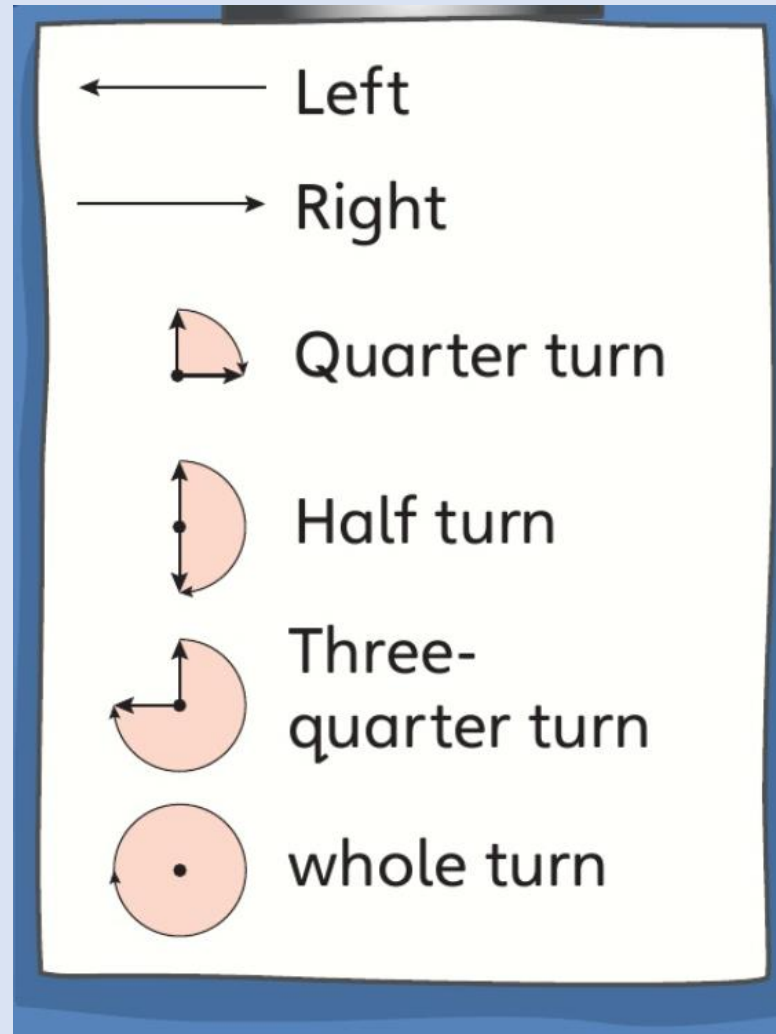


Clockwise

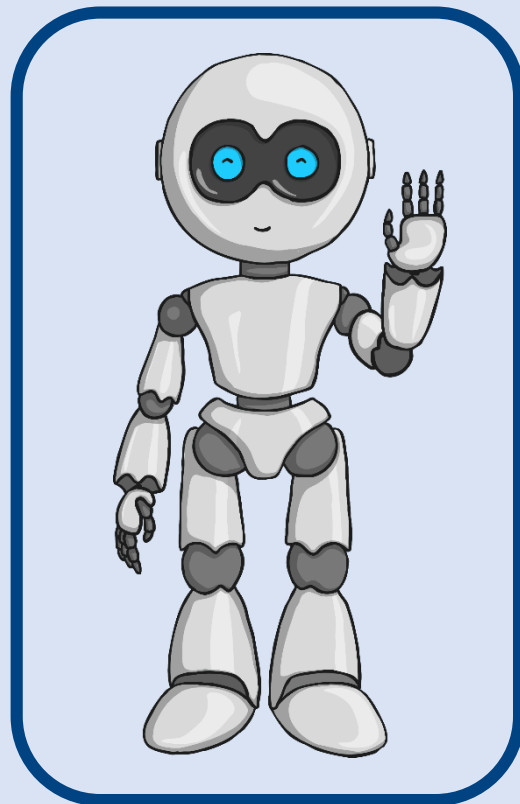
Anti clockwise



TPs: What words do we use to describe position and direction?

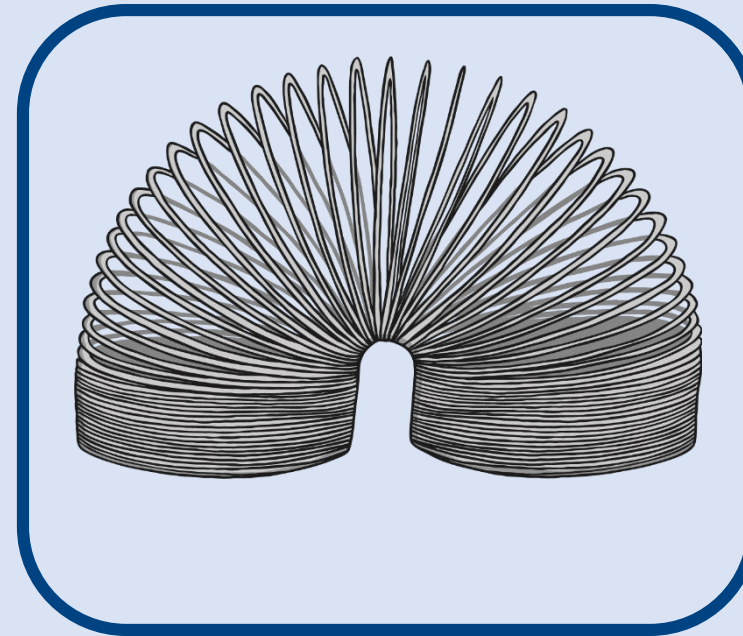
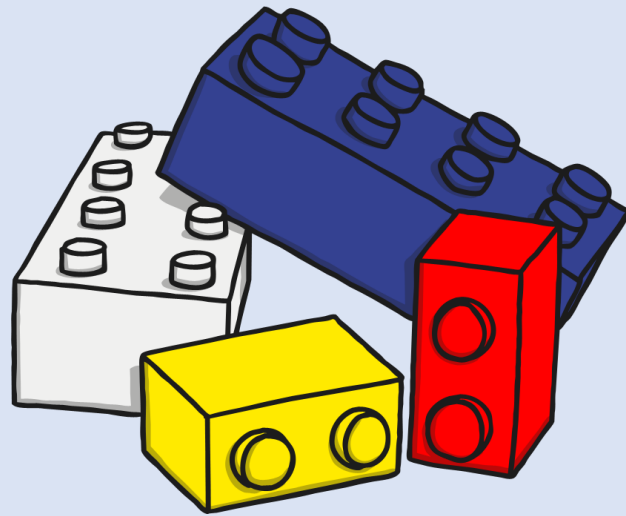


Which toy is on the left?



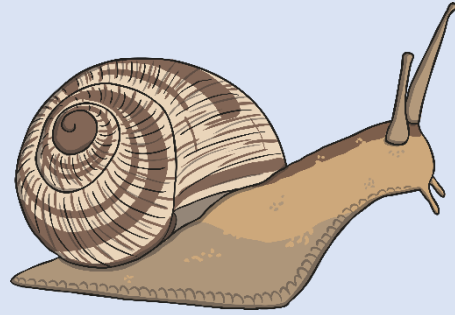
Show answer

Which toy is on the right?

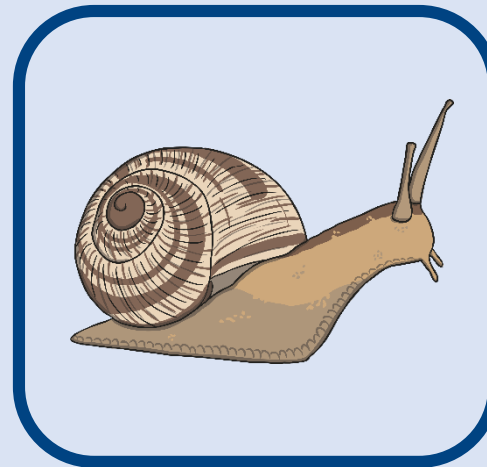
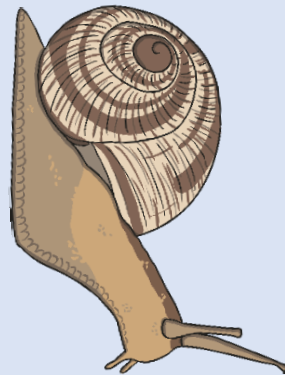


Show answer

Here is a snail.

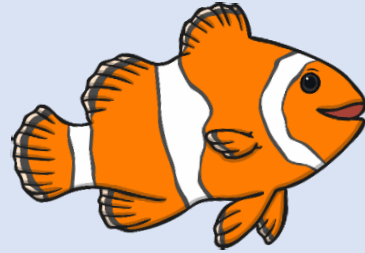


The snail has moved 1 whole turn anti-clockwise.
Which picture below shows the snail now?

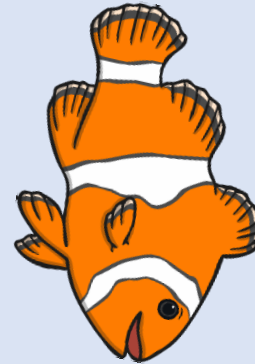
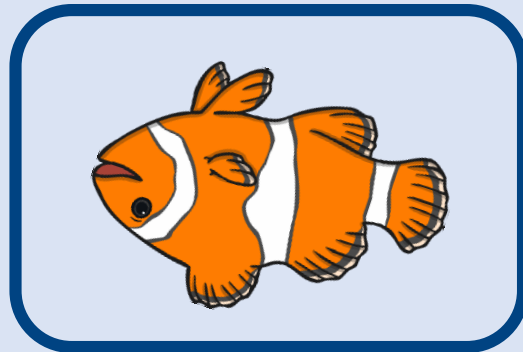


Show answer

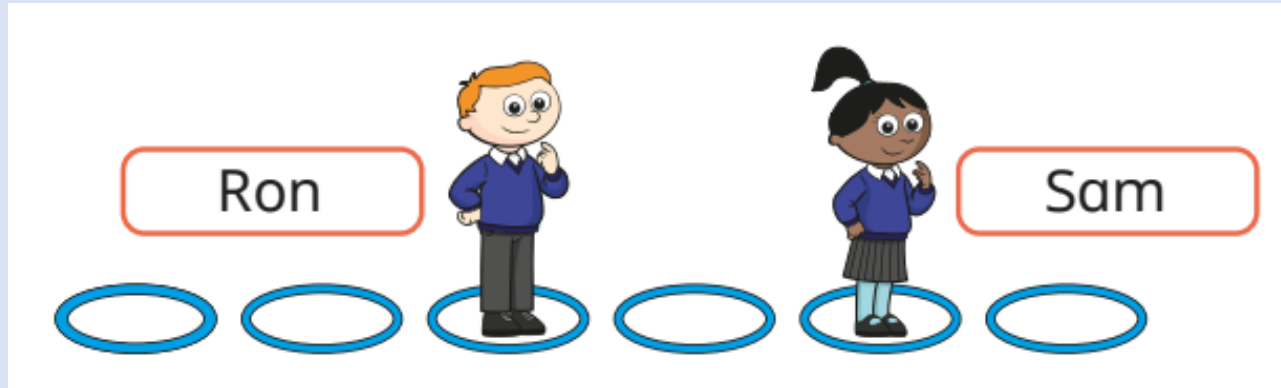
Here is a fish.



The fish has moved a half turn clockwise.
Which picture shows the fish now?



Show answer



Ron moves 3 hoops forwards.

Where is Ron now?

Sam moves 2 hoops backwards.

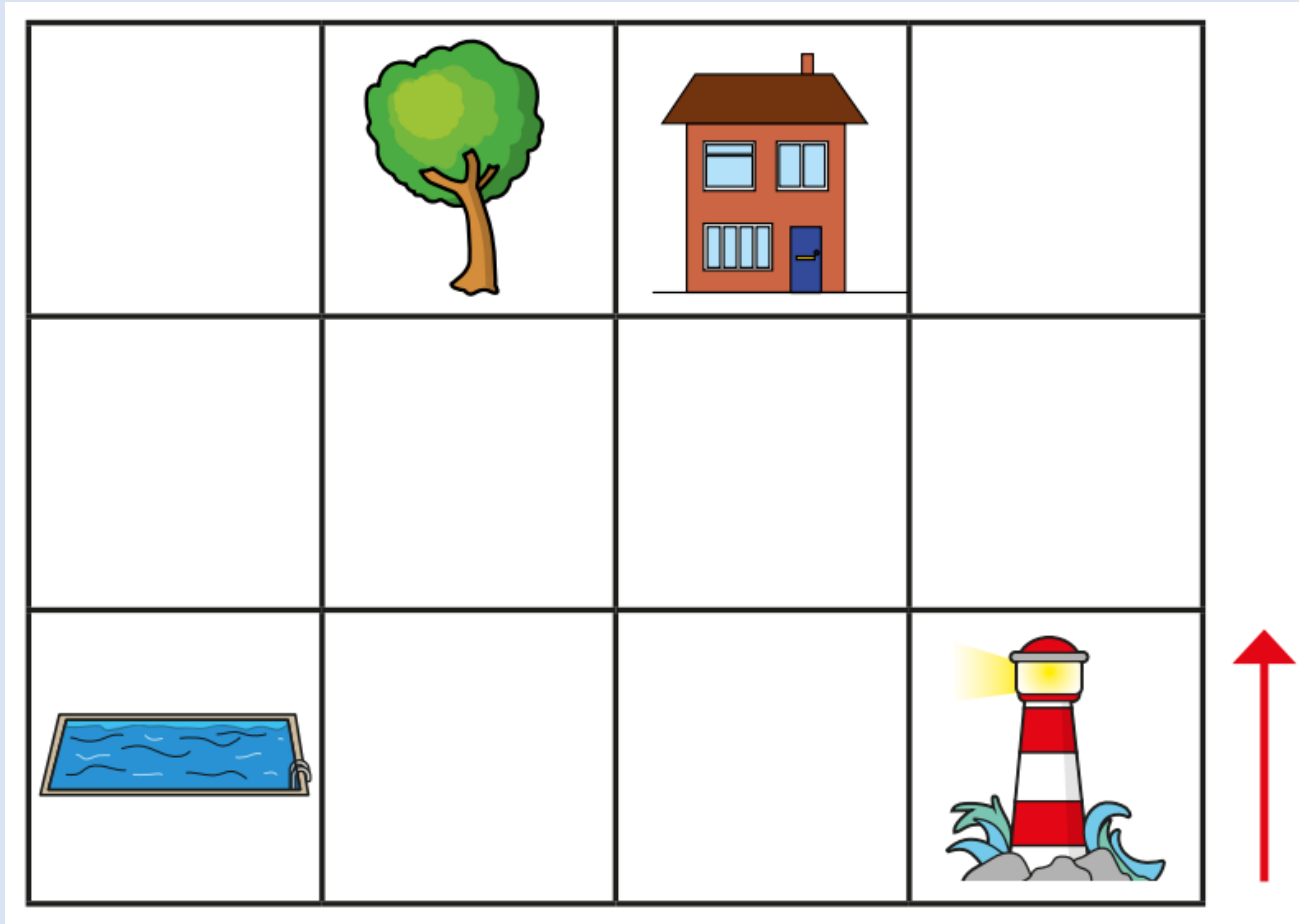
Where is Sam now?

Self assessment

*Do you understand how to use
positional language?*



Tom and Kay are at the lighthouse and facing the top of the grid.



Tom moves 2 squares *forwards* and 1 square *left*.

Where is Tom now?

Kay moves 2 squares *left* and 2 squares *forwards*.

Where is Kay now?

Describe the journey from the swimming pool to the house.

LQ: Can I describe directions?

Task

01.05.24

1.

Where will you end up?
Follow the instructions.



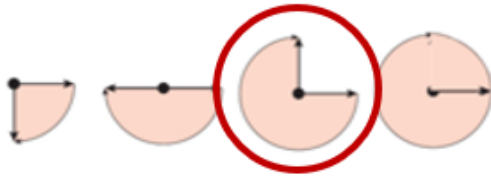
- 1) Walk 1 square forward
- 2) Make a quarter turn left
- 3) Walk 2 squares forward

Stem sentence:

You will end up at the _____.

2.

Miss Phillip says the third picture shows a half turn.



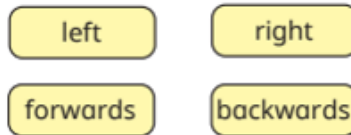
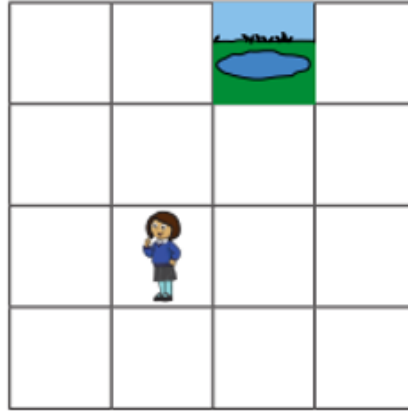
Do you agree with her? Explain.

Yes I agree because...

No I disagree because...

3.

Kim is trying to get to the pond.



How can you get Kim to the pond? Use the words to say/write the direction.

Begin at the start and follow the instructions.

Where do you end up?

- 1. Walk 1 square forward
- 2. Make quarter turn left
- 3. Walk 2 squares forward



Self assessment

Do you understand the task?



Thursday 2nd May 2024

L.Q. Can I explore numbers to 50?

<https://www.topmarks.co.uk/learning-to-count/helicopter-rescue>

HELICOPTER RESCUE

Find a Number Count On & Back

Find a Number

Direct	In Between
1 to 10	1 to 10
1 to 20	1 to 20
1 to 30	1 to 30
1 to 50	1 to 50
1 to 100	1 to 100

Try our 1 more or less & 10 more or less game:

CHOPPER SQUAD

Topmarks



LQ: Can I describe positions?


Steps to success

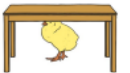
I can describe position.


I can use positional language to describe the position of the object.





Star words

above 

below 

inside 

outside 

next to 

between 

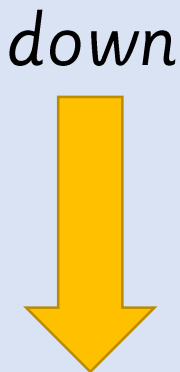
through 

around 

behind 



top
middle
bottom



Left and Right

The hand that makes an 'L' shape is your left hand.



*Today we are going to be looking at the position of objects.
We will be using positional language to help us understand position.*

TPS. What does positional language mean?

Stem sentence:

Positional language means _____ .

Let's listen to the song and find out more about positional language!

<https://www.youtube.com/watch?v=xyMrLQ4ZI-4>



Use the words to describe the position of the teddy.

top **below** **right**

Stem sentence:

The teddy is on the _____ shelf.

The teddy is _____ the sorting hoops.

The teddy is on the _____ of the robot.

TPs: What is above the dinosaur?

Stem sentence:

The _____ are above the dinosaur.



Complete the sentences using the correct word.
up down bottom middle top

The penguin is going _____ the slide.

The soldier is climbing _____ the rope.

TPs: Which shelf are the books on?

Stem sentence:

The books are on the _____ shelf.

Stem sentence:

The doll is _____.

The  is on the top shelf.

The  is to the right of the .

TPs: Who is correct?

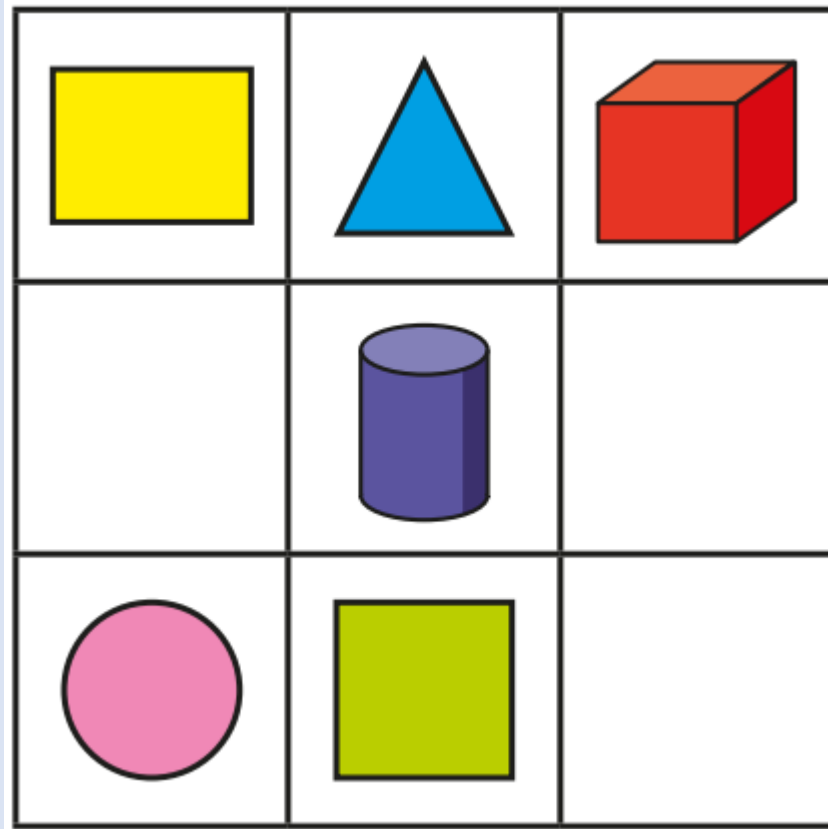
They are both correct.

We can also say the doll is *in between* the books and the slide.



middle top left right
above in between

Here are some shapes on a grid. Use the words to complete the sentences.



above

to the left of

below

to the right of

The triangle is _____ the cylinder.

The square is _____ the circle.

The cylinder is _____ the triangle.

The rectangle is _____ the circle.

The square is _____ the triangle.

Task

You are going to explore positional language.

In partners you are going to use objects and a chair to show various positions using our star words to explain the position of the object “above, on top, next to, bottom of, below, in between, left, right.”

Use the sentence stem “_____ is _____ the chair.”

Self assessment

Do you understand the task?

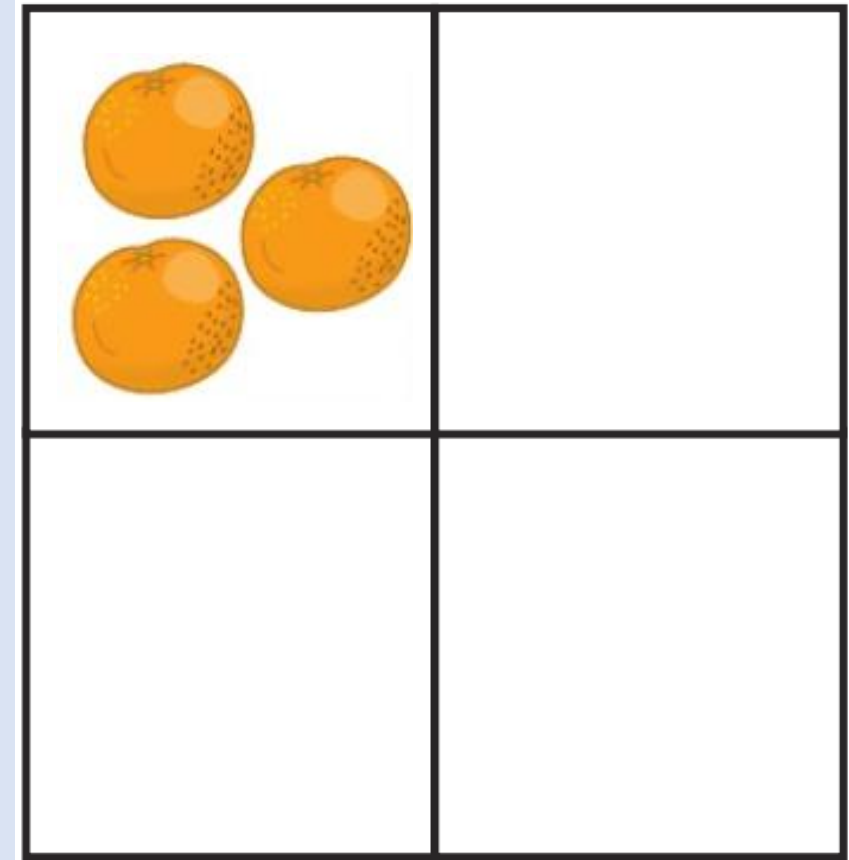


Friday 3rd May 2024

1 quarter is 3.

What is the whole?

The whole is _____.





LQ: Can I describe positions?


Steps to success

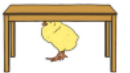



I can describe position.


I can use positional language to describe the position of the object.


Star words

above 

below 

inside 

outside 

next to 

between 

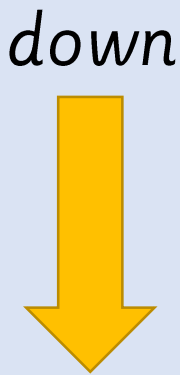
through 

around 

behind 



top
middle
bottom



Left and Right

The hand that makes an 'L' shape is your left hand.

Left Right





top

middle

bottom

TPs: What is below the slide?

Stem sentence:

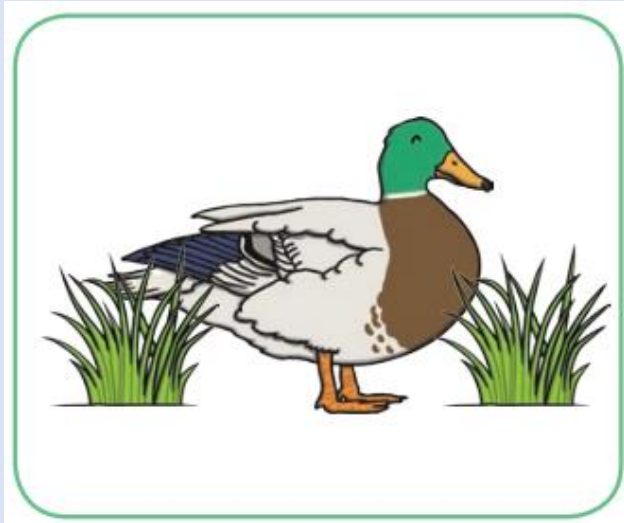
The _____ is below the slide.

TPs: Where is the robot?

Stem sentence:

The robot is on the _____ shelf _____ the sorting hoops.

Describe the position of the duck.



Stem sentence:

The duck is _____ the grass.

Describe the position of the frog.



Stem sentence:

The frog is _____ of the lily pad.



Miss Philip is saying that the books are below the doll.

Is she correct or incorrect?

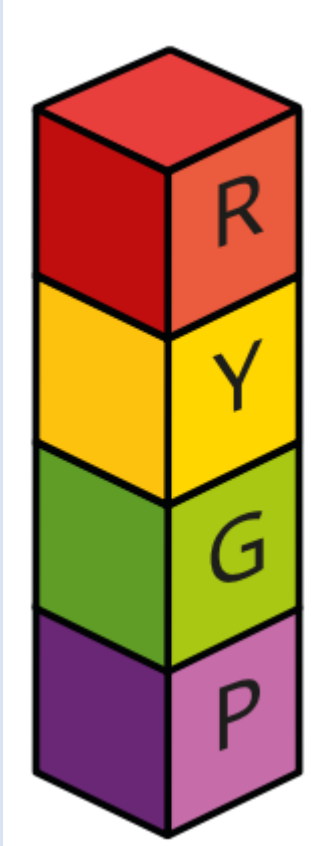
How do you know?

Stem sentence

Miss Moulton is correct because _____.

Miss Moulton is incorrect because _____.

Here is a tower. Let's complete the sentences.



The red cube is on _____.

The _____ cube is purple.

The cube below the yellow cube is _____.

The cube _____ the yellow cube is red.

Task

★ Use star words to help you explain your answers:
above, position, on top, middle of, bottom, below, next to, in between, left, right ★



Choose the correct word to describe the positions.

up down bottom
middle top on in
between below

2.
Leon says,
The cat is in between the dog.



Is he correct or incorrect?
Explain your answer.

Yes, he is correct because _____
No, he is incorrect because _____

3.
Sam has built a tower from purple and yellow cubes.

The top cube is purple and the bottom one is yellow. Which one is it?



Circle it.



The books are _____ the _____ shelf.

The penguin is _____ the slide.

The doll is _____ the books and the slide.

The teddy is _____ the hoops rings.

Today we worked in a small group to look at images and say its position.
We then cut and stuck the matching position cards next to each image.

Self assessment

Do you understand the task?

