

MONDAY

Today we are learning about position and direction.

Your star words are:

quarter turn

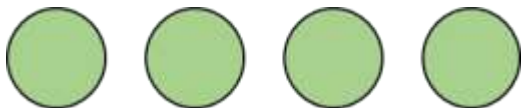
half turn

full turn

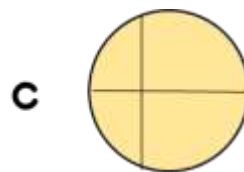
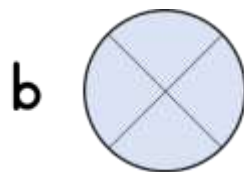
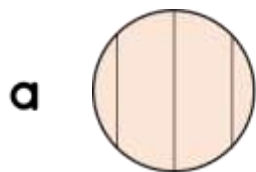
three quarter turn

Warm your maths' brain up with these quick-fire questions.

1) A quarter of 4 is 1



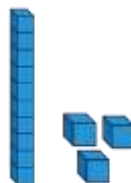
2) Which shape has been split into quarters?



b

3) What is half of 20? **10**

4) What number is shown?

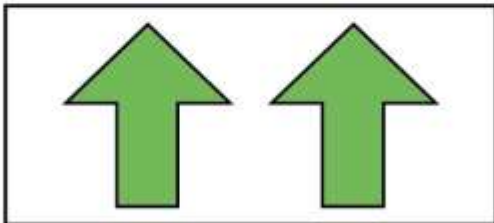
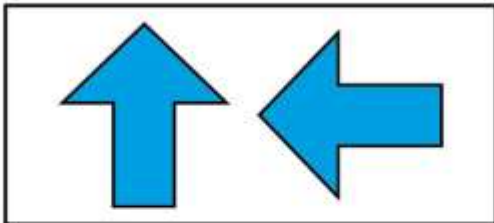
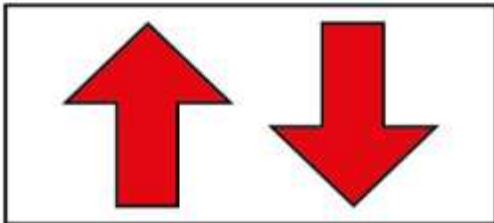


13

Describe turns

Over the next three days we will be looking at position and direction. You can use a teddy or your body to make turns. Can you make a half turn, quarter turn or full turn? What do you notice each time?

I Match the shapes to the turns.



quarter turn

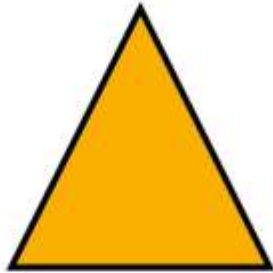
half turn

full turn

Ask an adult to draw a triangle like the one below. Turn the triangle a half turn to help you see what it will look like.

2 Draw what the shapes will look like after each turn.

a) a half turn

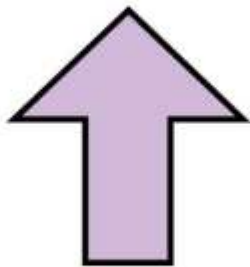


Ask an adult to draw shapes like the ones below. Turn each shape to help you see what it will look like.

2 b) a quarter turn



c) a three-quarter turn



Ask an adult to the pentagon below. Turn in until it looks like the one in the problem. Did you turn it a quarter, half, three-quarter of full turn?

3 Complete the sentences to describe the turns.

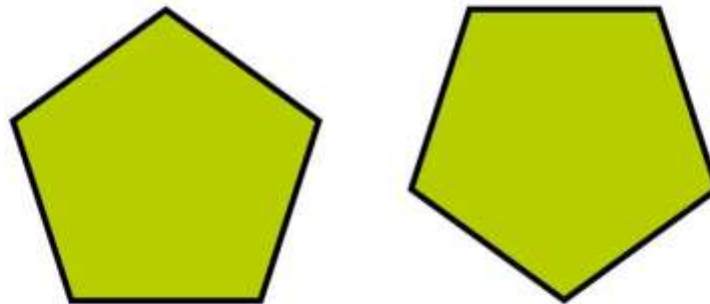
quarter

half

three-quarter

full

a)



The pentagon has turned

a _____ turn

Ask an adult to the hexagon below. Turn it until it looks like the one in the problem. Did you turn it a quarter, half, three-quarter of full turn? What do you notice?

3

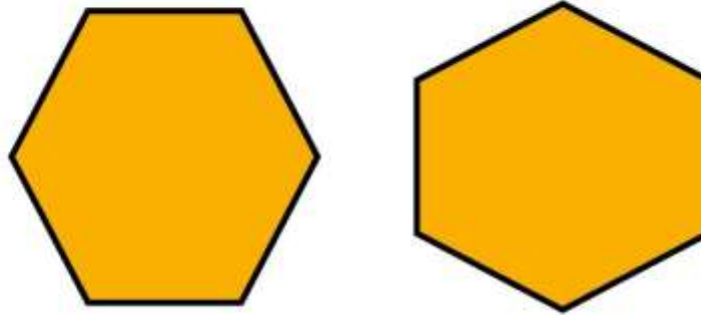
quarter

half

three-quarter

full

b)



The hexagon has turned

a _____ turn

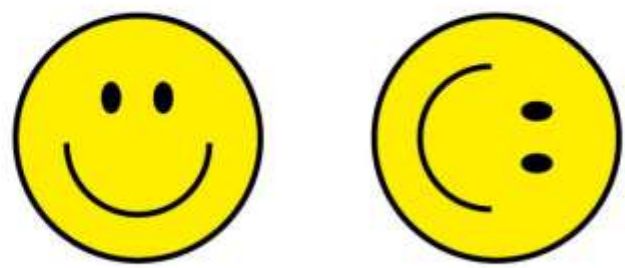
Is there more than one answer for each shape?





Use your maths' reasoning and maths' vocabulary to explain your answer in complete sentences.

4 Kim and Mo are describing turns.



Kim

This is a quarter turn.



Mo

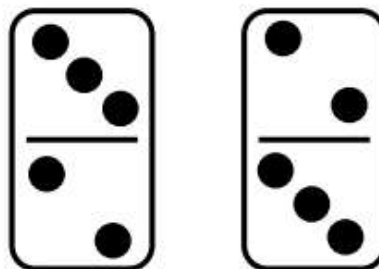
This is a three-quarter turn.

Who do you agree with? _____

Talk about it with a partner.



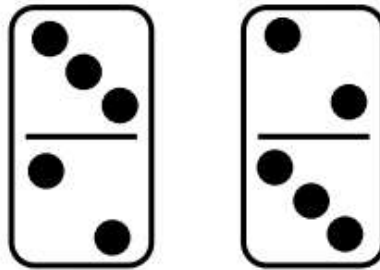
Use your maths' reasoning to explain and convince someone at home if this is true or false. How do you know?



Alex has turned the domino a half turn.

See the next slide for help.

True



If we rotate the domino half a turn, the 3 will be on the bottom and the 2 will be on the top.

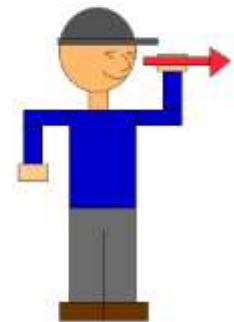
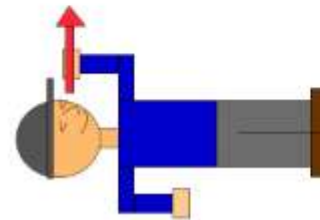
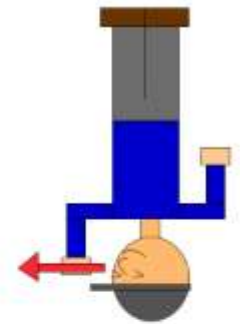
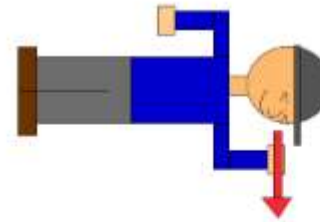
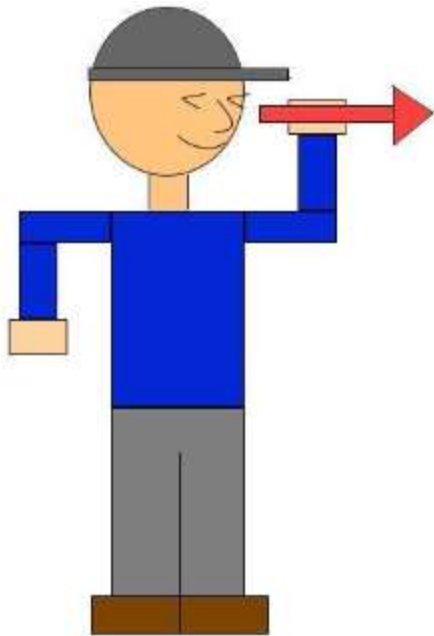
Challenge

Tip: Print out or draw a stick man to turn to check your answer.

Turn the Man

Each time you 'press' the turn button, the man turns a quarter turn clockwise.

How many times do you need to 'press' the turn button to make the man look the same as in each of the pictures.



Turn

Press once to give the man a quarter turn clockwise