

Lewis Class

Year 3 Maths (week beginning 15.06.20)

Here are some links to websites that have videos to support your child's learning in Maths. If you are struggling to find time to sit down with them, they could watch and make notes independently. These are not necessarily linked to the current topic but are still useful tools for learning. They can also be used as additional learning if needed.

<https://www.bbc.co.uk/bitesize/subjects/z826n39>

<https://www.thenational.academy/online-classroom/year-3/maths#subjects>

Practise multiplication and division: <https://whiterosemaths.com/homelearning/year-3/> (week 4)

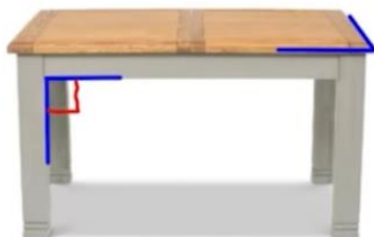
Properties of Shape

Task 1

- Angles

Angles are a property of a shape and are also a measure of a turn. An angle is created when 2 straight lines meet at a point. To find the angle, we look at the space between the lines.

These pairs of lines meet to create an angle.



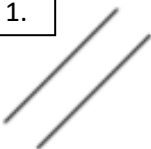
Objects have angles too – how many can you find around your house? Take pictures of them and upload to Seesaw!

Watch this lesson to get a good understanding of angles: <https://classroom.thenational.academy/lessons/to-identify-and-recognise-angles/>

In which of these images can you see an angle?

Explain your reasons.

1.



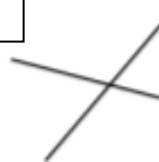
2.



3.



4.



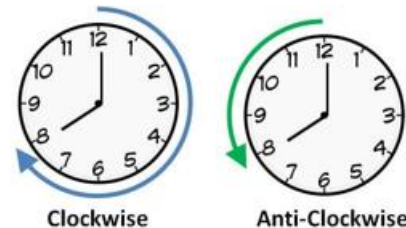
Task 2

- Turns

Vocabulary:

Clock – wise: The direction in which the hands of a clock turn

Anti – clockwise: The opposite direction in which the hands of a clock turn



Clockwise		Anticlockwise	
<p>1 right angle quarter-turn clockwise 90°</p>	<p>2 right angles half-turn clockwise 180°</p>	<p>1 right angle quarter-turn anticlockwise 90°</p>	<p>2 right angles half-turn anticlockwise 180°</p>
<p>3 right angles three-quarter turn clockwise 270°</p>	<p>4 right angles complete turn clockwise 360°</p>	<p>3 right angles three-quarter turn anticlockwise 270°</p>	<p>4 right angles complete turn anticlockwise 360°</p>

A turn is to rotate about a point. A turn can be described as a quarter-turn, half-turn, three-quarter turn or a complete turn. A turn can be completed clockwise and anticlockwise.

Look at the hands of the clock.

Turn the minute hand one quarter of a turn clockwise.



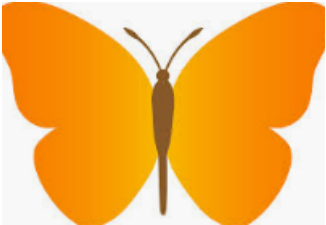
Where is the large hand pointing?

What is the new time?



What turn has the minute hand made?

Copy out and complete this table by drawing the pictures by using the correct turn:

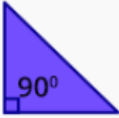
Start position	One – quarter turn clockwise	Half turn clockwise	Three – quarter turn clockwise	Full turn clockwise
				
				
				

Task 3


- Right angles in shapes

A right angle is a quarter turn, 2 right angles make a half – turn, 3 right angles make three – quarters of a turn and 4 right angles make a complete turn.

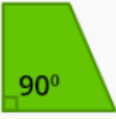
Here are some examples of right angles in shapes:




Triangle



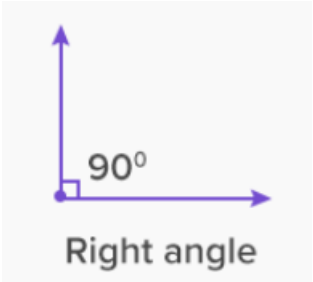
Square



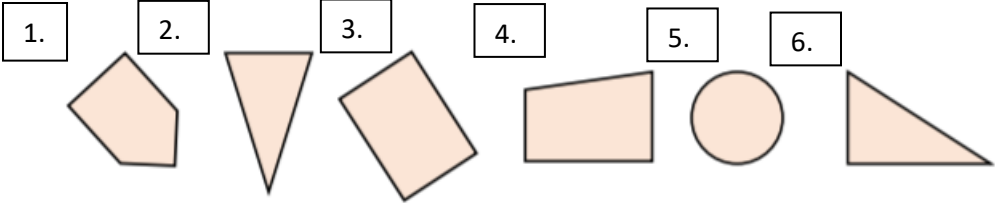
Quadilateral



Pentagon



Identify the right angles in theses shapes by writing the number of the shape and listing how many right angles it has.



Task 4

- Compare angles

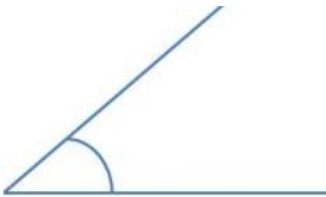
Right angle = 90 degrees

Acute angle = More than 0 degrees but less than 90 degrees

Obtuse angle = more than 90 degrees but less than 180 degrees



Right angle
Exactly 90°



Acute angle
Less than 90°



Obtuse angle
More than 90°
Less than 180°

Copy and complete these sentences:



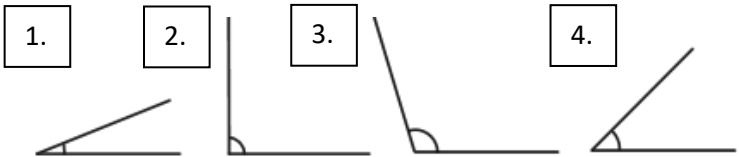
The angle between the hands is _____ than a right angle.
This is called an _____ angle.



The angle between the hands is _____ than a right angle.
This is called an _____ angle.

Explore other times where the hands make an acute/obtuse angle.

Write down the number of each angle and decide if it is a right angle, an acute angle or an obtuse angle.

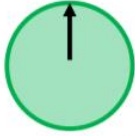


In your book, draw and label your own angle.

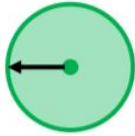
Task 5

- Reasoning and problem solving

The arrow on a spinner started in this position.



After making a turn it ended in this position.



Jack says,



The arrow has moved a quarter turn anti-clockwise.

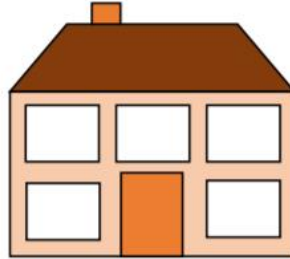
Alex says,



The arrow has moved a three-quarter turn clockwise.

Who do you agree with?

How many right angles can you see in this image?



Can you create your own image with the same number of right angles?

Teddy describes a shape.



My shape has 3 right angles and 2 obtuse angles.

What could Jack's shape look like?

Describe a shape in terms of its angles for a friend to draw.

Throughout the week - practise multiplication tables:

You could:

- Focus on whichever one you find difficult to remember and write out in a random order to improve your rapid recall.
- Play on Hit the Button - focus on number bonds, halves, doubles and times tables -

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

Do a multiplication dance – <https://www.bbc.co.uk/teach/super movers/times-table-collection/z4vv6v4>