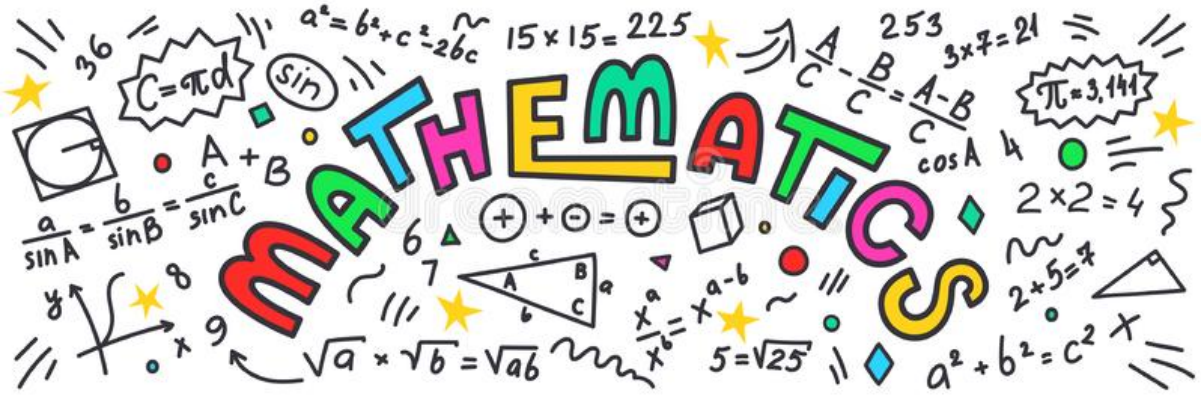
WEEK 12

Hello! Here are this week's maths activities. There is no need to print out the sheets - just write the answers in the yellow exercise book that went home in your distance learning pack.

If you have any questions, or when you have completed your work, email me at:

Beech@newvalleyprimary.com

You can send a photo of the answers in your distance learning book or add a document as an attachment.



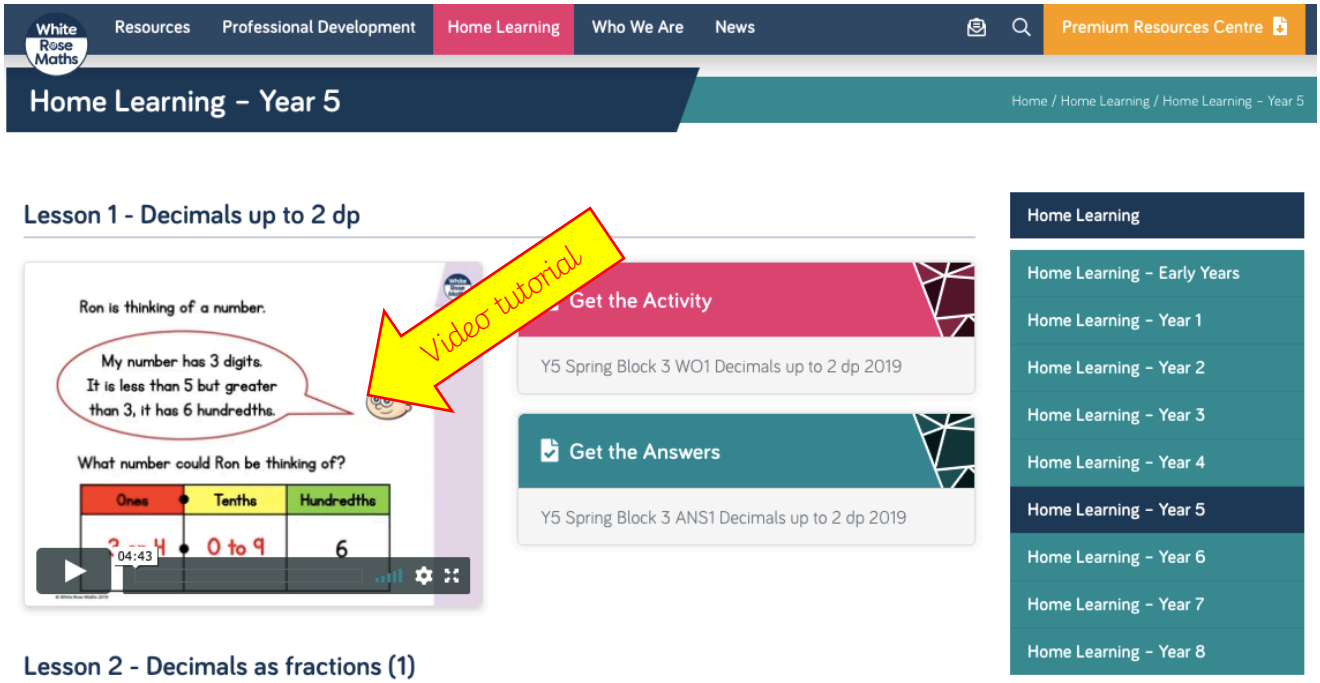
You don't have to do every single question from every day's lesson. Get as far through the lesson as you can and try your best!

We are going to be using the White Rose home learning resources. This resource, which we also use in school, includes video tutorials which I think will be very helpful.

If you are finding the lessons too hard (or easy) or need a bit more explanation, don't forget you can email me.

To access the video tutorials, follow this link:

https://whiterosemaths.com/homelearning/year-5/



Week 12
Maths Lesson 1

Don't forget to write this heading in your distance learning book.

My learning journey:

Draw your learning journey in your book

Identify angles

Recap

1 Complete the sentences.

Use the word bank to help you.

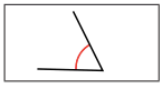
90	180	greater	less

a) A right angle is ☐ degrees.

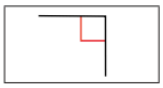
b) An acute angle is _____ than ☐ degrees.

c) An obtuse angle is _____ than ☐ degrees but less than ☐ degrees.

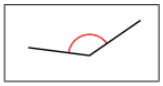
2 Match the angles to the labels.



right angle

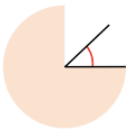


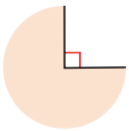
acute angle

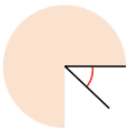


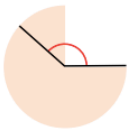
obtuse angle

3 Label the angles: acute, obtuse or right angle.

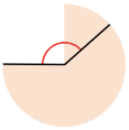
a) 

b) 

c) 

d) 

e) 

f) 

4 Tick all the acute angles.

Just write which ones. E.g. 1st, 3rd....

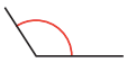
5 Tick all the obtuse angles.

6 Label the angles: acute, obtuse or right angle.

a) 

c) 

b) 

d) 

7 Is the angle acute, obtuse or a right angle?

a) 35° _____ d) 89° _____

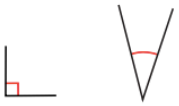
b) 99° _____ e) 121° _____

c) 90° _____ f) 179° _____

8

Angle B is obtuse because it's bigger than the right angle.

A B



Do you agree with Teddy? _____

Explain your answer.

9 Are the statements always true, sometimes true or never true?

Explain your answer.

a) An obtuse angle is a greater turn than an acute angle.

_____

b) An acute angle is a greater turn than a right angle turn.

_____

c) If you turn through two acute angles you will have turned through an obtuse angle.

_____

Week 12
Maths Lesson 2

Don't forget to write this heading in your distance learning book.

My learning journey:

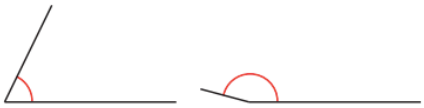
Draw your learning journey in your book

Watch the Lesson 2 video: Measure with a protractor
https://vimeo.com/432267594

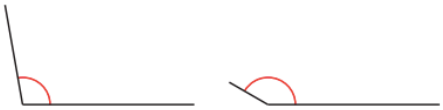
1 Circle the greater angle in each pair.

a)

b)



c)

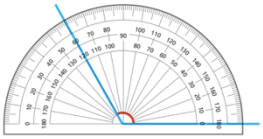


d)

Just write which one. E.g. 1st or 2nd...

2 What is the size of the angle marked in each diagram?

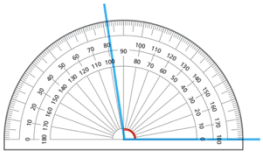
a)



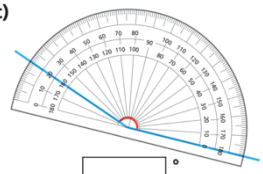
d)

b)

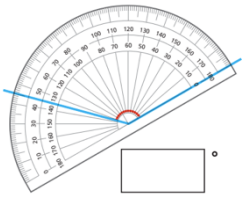
e)



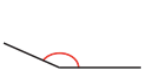
c)



f)



3

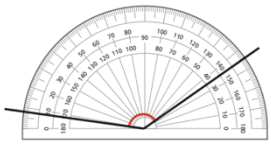


The angle marked is 30 degrees.

a) How do you know, just by looking at the angle, that it is not 30 degrees?

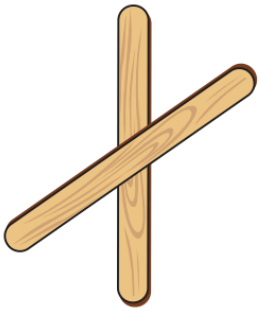
b) What mistake do you think Annie has made?

4 Scott is trying to measure the obtuse angle.



What mistake has Scott made?

6 Eva puts one ice-lolly stick over another ice-lolly stick.



a) Estimate the size of the largest angle between the two ice-lolly sticks.

My estimate is ☐°.

Week 12
Maths Lesson 3

Don't forget to write this heading in your distance learning book.

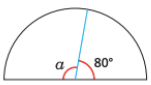
My learning journey:

Draw your learning journey in your book

Watch the Lesson 3 video: Calculating angles on a straight line
https://vimeo.com/432267958

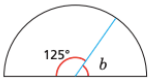
1 Work out the sizes of the unknown angles.

a)



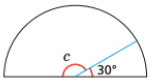
$a =$ ☐°

b)



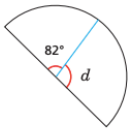
$b =$ ☐°

c)



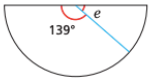
$c =$ ☐°

d)



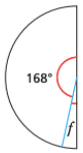
$d =$ ☐°

e)



$e =$ ☐°

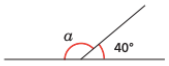
f)



$f =$ ☐°

2 Work out the size of the unknown angles.

a)

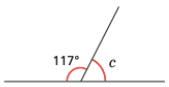


$a =$ ☐°

b)

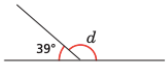
$b =$ ☐°

c)



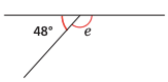
$c =$ ☐°

d)



$d =$ ☐°

e)



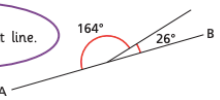
$e =$ ☐°

f)

$f =$ ☐°

3 Dora draws two angles.

AB is a straight line.



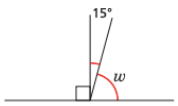
Do you agree with Dora? _____

Explain your answer.

4 Work out the size of the unknown angles.

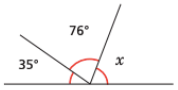
Show the steps in your working.

a)



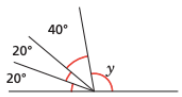
$w =$ ☐°

b)



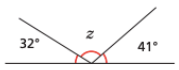
$x =$ ☐°

c)



$y =$ ☐°

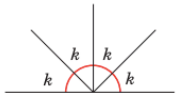
d)



$z =$ ☐°

5 Work out the sizes of the unknown angles.

a)

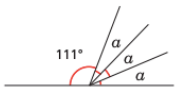


$k =$ ☐°

b)

$g =$ ☐°

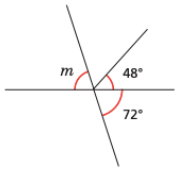
6 Work out the size of angle a.



$a =$ ☐°

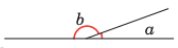
7 Work out the size of angle m.

Show all your working out.



$m =$ ☐°

8 Two angles are marked.



Angle b is eight times the size of angle a.

What is the size of each angle?

$a =$ ☐° $b =$ ☐°

Week 12
Maths Lesson 4

Don't forget to write this heading in your distance learning book.

My learning journey:

Draw your learning journey in your book

Watch the Lesson 4 video: Calculating angles around a point
https://vimeo.com/432268054

1 Work out the sizes of the unknown angles.

a)

$a =$ ☐°

c)

$c =$ ☐°

b)

$b =$ ☐°

d)

$d =$ ☐°

2 Ron turns clockwise through 110 degrees.
He continues to turn the same way.
He wants to turn to where he was facing at the start.
How many more degrees does he need to turn through?

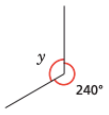
☐°

3 Work out the size of the unknown angles.

a)

$w =$ ☐°

c)



$y =$ ☐°

b)

$x =$ ☐°

d)

$z =$ ☐°

4 Work out the sizes of the unknown angles.

a)

$m =$ ☐°

b)

$n =$ ☐°

5 Ms Hall asks her class to draw an angle of 250 degrees.

Amir

My protractor only goes up to 180 degrees.

That's true. But I think we can still use it.

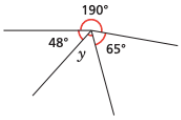
Alex

a) Explain why Alex is correct.

b) Draw an angle of 250 degrees.

Compare methods with a partner.

6 Work out the size of angle y.



$y =$ ☐°

7 Work out the sizes of the unknown angles.

Give reasons to support your answers.

a)

$b =$ ☐° because _____

_____

b)

$c =$ ☐° because _____

_____

8 A circle is divided into ten equal sections.

What is the size of the angle marked g?

$g =$ ☐°

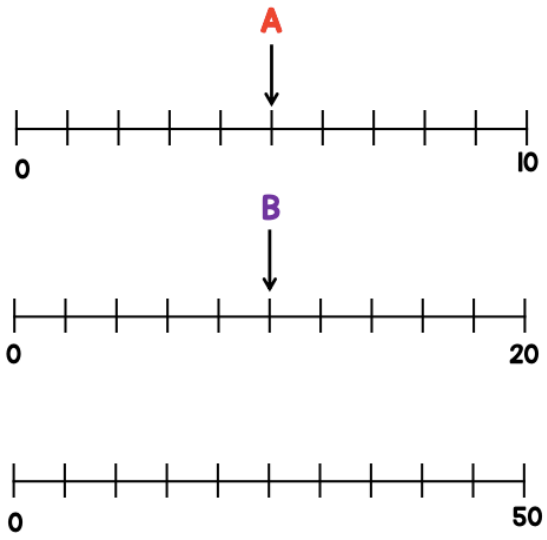
Week 12
Problem Solving

Don't forget to write this heading in your distance learning book.

Want to grow your brain some more? Have a go at these...

1 Given than A + B = C

Draw an arrow pointing to C



2 Amir has a box of 50 counters.

12 of the counters are red.

17 of the counters are blue.

The rest of the counters are yellow.

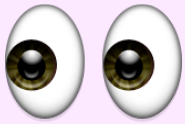
Which coloured counter are there more of?

3

How many stickers did Lisa share out?

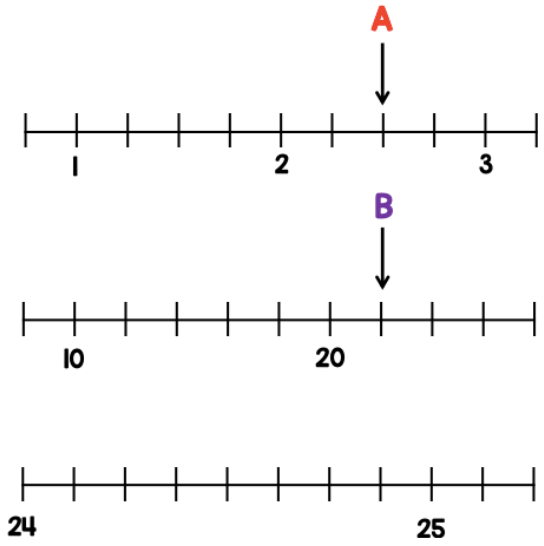
White Rose Maths

Fancy something a little harder? Try these...



1 Given than A + B = C

Draw an arrow pointing to C



2 George has a box of counters.

- For every 2 red counters there are 5 blue ones.
- George removes 36 blue counters from the box.
- There are now the same amount of red and blue counters.

How many red counters were in the box at the start?

3 Elijah says he divided 32 by a number and got 64

Is this possible?

White Rose Maths