

Home Learning Tasks

WB: 30.3.20

In this pack, you will find:

Home Learning Ideas Sheet

Spellings to Learn

Ways to learn your spellings

Google classroom tasks

Maths Tasks

Also attached to the Parentmail is a revision booklet on the order of operations.

Answers for the Maths problems will also be attached.

Easter Project – This will be uploaded to Google classroom

Due to the number of documents, we will be unable to send this out via Parentmail. However, the project is exactly what it says on the tin: create a Theme Park.

Be creative and have a go at this at home even if you can't access Google classroom:

Come up with a name and logo

Design a plan for your Theme Park

Create an advertisement

Review your rollercoaster

Create some music for the rides

English – Create a poster set that convinces people to buy your favourite book.

Challenge – Create two different posters for books that are aimed at different audiences. Consider the audience when choosing language.

CREATIVE CHALLENGE

Research and draw your very own version of Greek pottery. Remember, they were functional and told a story – how will that affect your design?

Science – Animals including humans

Investigation!

Last week, you may have discovered that your heart rate will go up during exercise and will slowly get back to normal afterwards. What do you think would happen to your heart rate during sleep? How does it change?

After making a prediction, use secondary sources to research what happens to your heart rate during your sleep.

Reading –

Complete at least one Accelerated Reading Quiz

CHALLENGE – Compare two characters in your most recent book. What are their similarities and differences?

Superstar Challenge

Can you do all the cleaning up after dinner every evening this week?

Topic

Ancient Greek artists created paintings and sculptures. However, one of their most famous inventions is the black and red decorated pot.

Create a fact file that tells the reader all about Ancient Greek pottery.

Stay healthy – Make sure to keep your one-minute on the spot running!

Yoga can be an effective and relaxing activity. Check out *Cosmic Kids Yoga* on YouTube for some great guided Yoga



Year 6 Home Learning Ideas – 3rd April

Home Learning activities from Google Classroom Week beginning 30.3.20

Please find below details and links to some of the activities posted on Google Classroom this week. There may not be an activity for each 'area' each week. Due to the nature of some of the tasks, we cannot link them all but they are available on Google Classroom if you are able to log in. If you experience any problems, please contact your child's class teacher via email.

English	Science
<p>Tuesday: English – Film Review</p> <p>Write a film review of the last film you have watched - this will help advise other pupils (and your teachers) on which films would be good to watch at home! You need to include:</p> <ul style="list-style-type: none">Plot (what the film was about) but remember not to give away the ending or any important twists...you don't want to spoil it!Your favourite part.Your overall opinion.Who you recommend it for.You might want to give it a rating. <p>Present this however you want to. You can draw pictures, you can film it once you have written it, you could do it as a Powerpoint presentation if you wanted to! It is entirely up to you!</p> <p>There will be a separate attachment with an activity pack based around an image – this may be more suitable to view on a laptop or if you can print it off.</p>	<p>Monday: Science</p> <p>The heart is the most important organ in the body. Agree or disagree? Using scientific evidence, try to support or refute this statement. We have included some links below that you may be able to use to help you. If you cannot access the internet and have no books, just use your best scientific knowledge.</p> <p>Present your work however you like! You could include scientific diagrams too!</p> <p>https://www.bhf.org.uk/informationsupport/how-a-healthy-heart-works https://kidshealth.org/en/kids/heart.html https://www.mayoclinic.org/diseases-conditions/heart-failure/symptoms-causes/syc-20373142 https://www.nationalgeographic.com/science/health-and-human-body/human-body/heart/ https://kidshealth.org/en/kids/brain.html</p>
Art and English	Computing
<p>Follow the link to a video to draw your own time machine. https://www.youtube.com/watch?v=sPy-sznpNV0</p> <p>Then, write a story which involves a time machine. You could travel to the past and use what you know already to help you describe where you go, or you could travel the future and create your own description of what it will be like.</p> <p>You can complete the story either in your home learning book or on the document attached to the Google Classroom post. Post some pictures of your time machine if you can!</p> <p>Remember to plan your writing and include your toolkit features.</p>	<p>Computing – Being Safe Online</p> <p>If you can, go on to the Internet Legends website to remind yourselves of the 5 main 'pillars'. Then create something to show others how to stay safe online. You could create a poster, a PowerPoint, a quiz using Scratch, a story or something else! It's up to you!</p> <p>You might also remember my (Mrs Knight's!) assembly on Fake News and include some tips about that. I've included a couple of links for a recap. While you are online more than usual at the moment, it is even more important that you follow these rules to keep yourselves and each other safe and happy.</p>

Spring 2 Spellings

This term the Year 6 exception words we are learning are:

Week 1 - symbol
system

Week 2 - temperature
thorough

Week 3 - recognise
committee

Week 4 - rhyme
rhythm

Week 5 – sacrifice
secretary
shoulder

Week 6 - sincerely
queue

Please practise these spellings ready to be tested in class. It is important that you understand the definition of these words and can use them in a sentence.

Remember, you must know all of the exception words below:

Spring 1

neighbour
nuisance
appreciate
accommodate
opportunity
parliament
persuade
physical
prejudice
privilege
profession
programme
pronunciation

Autumn 2

recommend
relevant
restaurant
signature
sincere
immediately
soldier
stomach
sufficient
suggest
twelfth
variety
vegetable
vehicle
yacht
hindrance

Autumn 1

individual
interfere
interrupt
language
leisure
lightning
marvellous
mischievous
muscle
necessary
amateur
develop
exaggerate
excellent
existence
identity

Year 5 words

attached
available
category
cemetery
average
bargain
bruise
critic
community
awkward
occur
accompany
according

achieve
aggressive
forty
ancient
apparent
occupy
controversy
convenience
correspond
criticise
desperate
determined
disastrous

environment
embarrass
equipment
equipped
definite
conscious
dictionary
conscience
foreign
harass
competition
communicate
curiosity

Different ways to learn your spellings

<p>ABC Order: Write all of your spelling words in alphabetical (ABC) order.</p>	<p>Word Parts: Write your words. Then use a coloured pencil to divide the words into syllables.</p>	<p>Write each word 5 times. Say the word as you spell it.</p>	<p>Silly Sentences: Write 3 or more sentences that use all your spelling words.</p>
<p>Picture words: Draw a picture and hide your spelling words in the picture.</p>	<p>Shape Words: s s p s p e s p e l s p e l l s p e l l i s p e l l i n s p e l l i n g (or make them boat shaped, wagon shaped, smiley face, etc.)</p>	<p>"Ransom" Words: "Write" your words by cutting letters out of a newspaper or magazine and gluing the letters on a piece of paper to spell your words.</p>	<p>Rainbow Words: Write your spelling words with coloured pencils. Make each letter a different colour.</p>
<p>Scrambled Words: Write your words. Then write them again with the letters mixed up.</p>	<p>Vowel Spotlight: Write your words using one colour for the vowels and another colour for the consonants. (vowels: a, e, i, o, u)</p>	<p>Word Search: Create your own word search with your spelling. Show the answers to your puzzle.</p>	<p>Flash Cards: Make and practice with flash cards. Put the word on one side and definition on the other.</p>
<p>Picture & a Story: Draw a picture defining each word. Write a sentence about your picture using the word.</p>	<p>Explain: Read each word and explain to your parents what each word means.</p>	<p>Write a Story: Poem or Song with Words: Write a story using all your spelling words. Underline the words you used.</p>	<p>Use Technology: Type out your spelling words (and definitions) on the computer.</p>

Maths

On the following pages, we have included a variety of Maths Problems that you would have completed at school. Use your revision guides and other resources to help you answer the questions. The Answers will be included on a separate document.

Set 1 – Algebra problems

Set 2 – Algebra equations

Set 3 – Time 12 and 24 hour

Set 4 – Time problem

Set 5 – Angles

Set 1 – Algebra Problems

Each symbol is worth a number. Work out the number which the picture stands for. All the symbols in one question are worth the same amount. Use what you have learnt about multiplication and division to help you.

Example:

$$R + R = 12$$

The two R are worth the same amount, so each flag must be worth half of 12 which is 6. Checking this is correct: $6 + 6 = 12$ ✓

 + 4 = 10  = <input type="text"/>	 +  = 48  = <input type="text"/>	 x 4 = 32  = <input type="text"/>
 x 8 = 56  = <input type="text"/>	 ÷ 9 = 5  = <input type="text"/>	 ÷ 8 = 4  = <input type="text"/>
 x  = 64  = <input type="text"/>	 x  = 49  = <input type="text"/>	 x 5 + 3 = 33  = <input type="text"/>
 x 4 + 4 = 10 x 2  = <input type="text"/>	 ÷ 2 + 2 = 9 x 3  = <input type="text"/>	14 x  + 1 = 3 x 5  = <input type="text"/>
 x 5 = 45  = <input type="text"/>	8 x  - 2 = 10 x 7  = <input type="text"/>	 x 11 - 6 = 7 x 7  = <input type="text"/>

Q1.

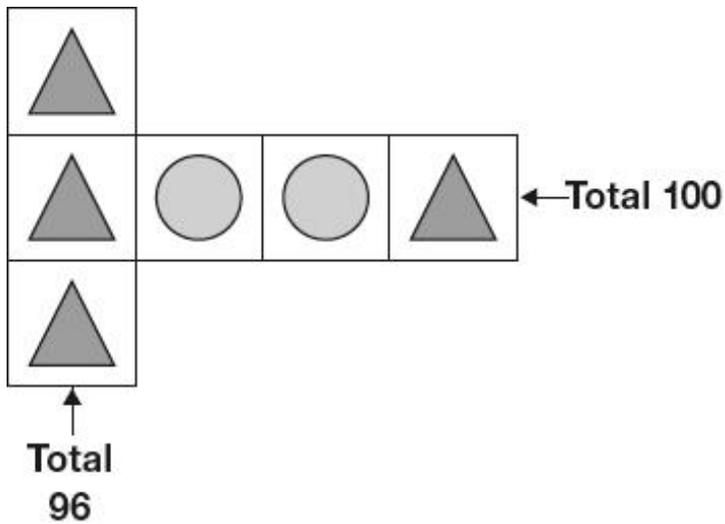
 and  each stand for a different number.

$$\square = 34$$

$$\square + \square = \bigcirc + \bigcirc + \square$$

What is the value of  ?

Q2. Each shape stands for a number.

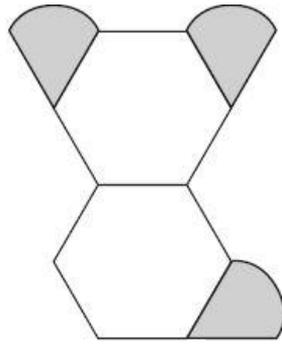


Work out the **value** of each shape.

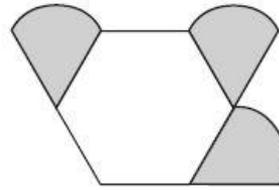
$$\triangle = \underline{\hspace{2cm}}$$

$$\bigcirc = \underline{\hspace{2cm}}$$

Q5. Amina is making designs with two different shapes. She gives each shape a value.

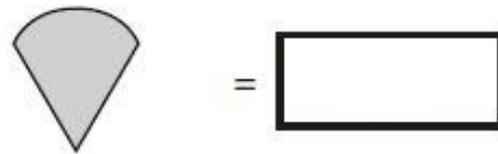
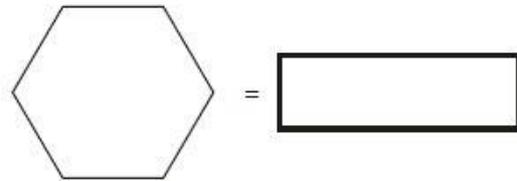


Total value is 147

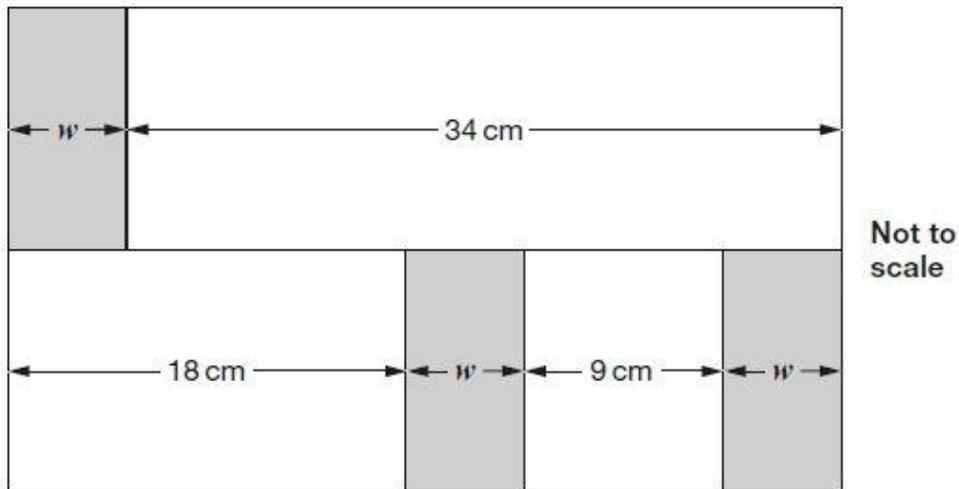


Total value is 111

Calculate the value of each shape.



Q6. In this diagram, the shaded rectangles are all of equal width (w).



Calculate the width (w) of one shaded rectangle.

Show your method

Set 2 – Algebra Equations

What does each letter represent?

$$1) x + 4 = 11$$

$$2) 24 = y + 15$$

$$3) 26 = b - 30$$

$$4) 3c = 12$$

$$5) 60p = 300$$

$$6) 9 + 6k = 51$$

$$7) 50 = 6c + 2$$

$$8) \frac{e}{2} - 5 = 8$$

$$9) 2x + 1 = 3x - 4$$

$$10) \quad x + 3 = 3x - 17$$

Set 3 – Time 12 and 24hr

12hr and 24hr Clock Codebreaker

A	B	C	D	E	F	G	H	I	J	K	L	M
9.45pm	11.45am	15:45	15:10	13:40	10.05pm	14:15	8.40am	7.40am	2.15pm	9.45am	16:45	16:15

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
19:30	11.45pm	00:20	10.45pm	12:20	14:45	8.05pm	15:55	14:20	10.45am	8.20am	8.15am	12:20

Convert the times below, link your answers to the table above to reveal what I called my fake spaghetti:

What is "a quarter to ten in the evening" in 12 hour time?	What is 7.30pm in 24 hour time?	What is "twenty to eight in the morning" in 12 hour time?	Convert 4.15pm to 24 hour time.	What is "twenty past midnight" in 24 hour time?

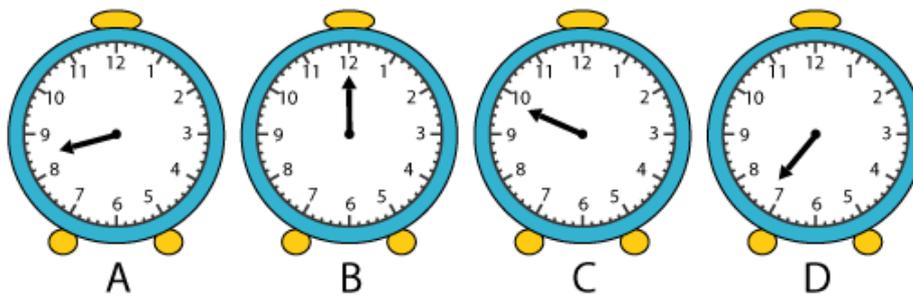
Convert 21:45 to 12 hour time.	What is "quarter to three in the afternoon" in 24 hour time?	Convert 20:05 to 12 hour time.	What is "fifteen minutes to 22:00" in 12 hour time?

Set 4 – Time Problem

Two Clocks

Sam and Julie are friends. Both of them have rather odd clocks at home.

In Sam's bedroom there is an old alarm clock which his Dad had thrown out because it had lost its minute hand. Although it has only its small hand, Sam can still tell the time using it. He can tell the hour, such as midday. He can tell when it is time to get up, time to go to school and time to turn his light out at night.



Which clock is showing it is midday?

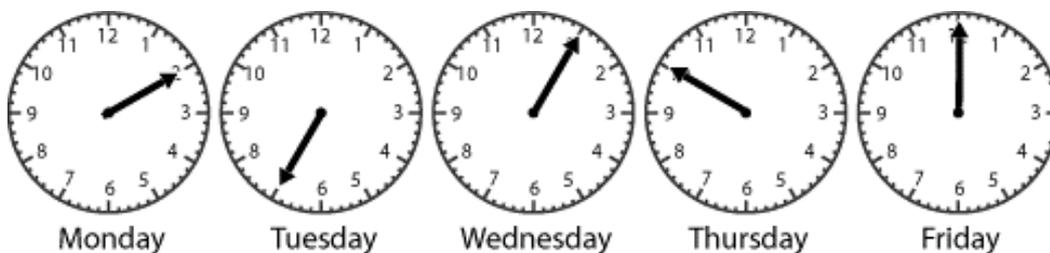
At what time does Sam get up?

At what time does Sam go to school?

At what time is Sam supposed to turn out his light?

In Julie's hall there is a very old clock which lost its hour hand a long time ago.

School finishes at half past three and it takes Julie at least half an hour to get home. Sometimes she goes to the shop on the way, and sometimes she leaves school a bit later. When she first gets home Julie always looks at the clock in the hall to see what time it is. One week these were the times she saw:



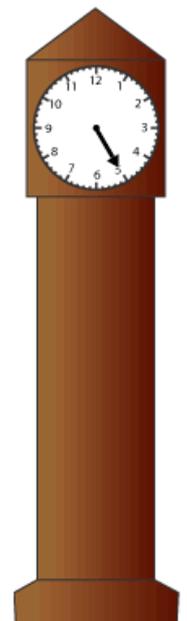
On which day was it raining so she hurried straight home?

On which day did she go to the shop to buy some sweets on the way home?

On which day did she stay at school to practise in the band?

On which day did she play with Sam for about half an hour before setting off for home?

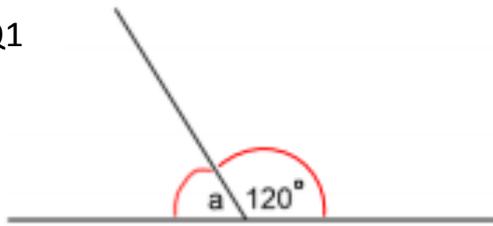
On which day did her teacher keep the class in for five minutes?



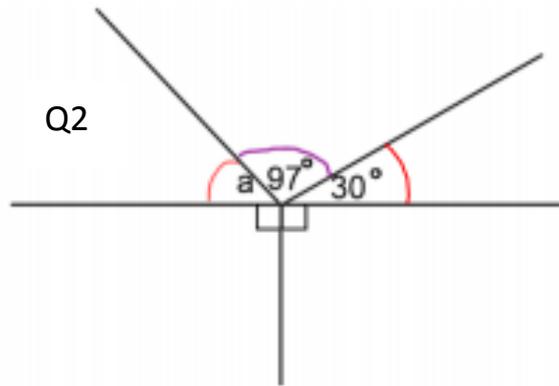
Set 5 - Angles

Calculate the missing angles.

Q1

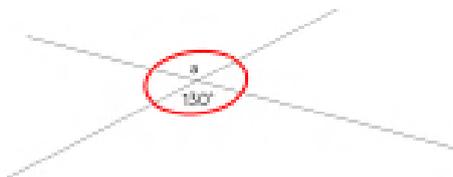


Q2

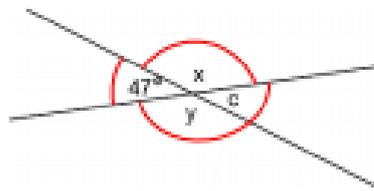


Find the missing angles.

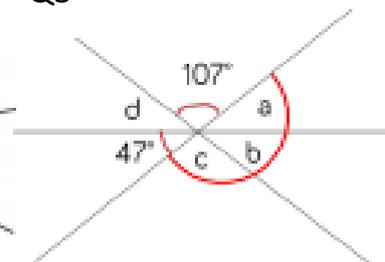
Q3



Q4

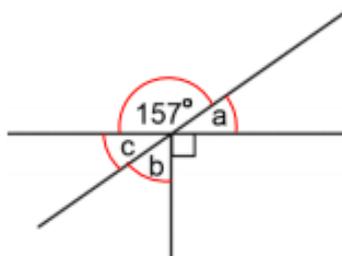


Q5



Is there more than one way to find them?

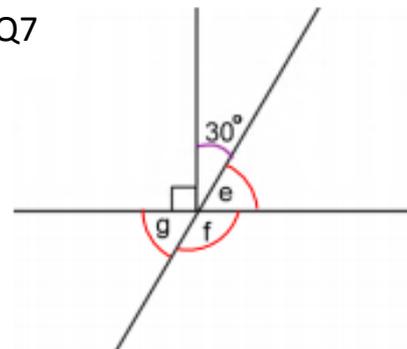
Q6



Rachel says that it's not possible to calculate all of the missing angles.

Do you agree? Explain why.

Q7



Darren says that angle g is equal to 30° because vertically opposite angles are equal.

Do you agree? Explain your answer. If you disagree, work out the value of g .