Year 5 Home Learning Grid – Week beginning 22nd June 2020

Maths

Complete the tasks on Times Table Rockstars

LO: I can recognise and understand percentages.

Computer activities:

Follow this link and read the information on BBC Bitesize. There is short video clip to watch and two interactive activities.

https://www.bbc.co.uk/bitesize/articles/zhntwnb

Also, watch the White Rose video on this website.

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

Go to week 8, Lesson 1: Understanding Percentages.

Complete the worksheet at the bottom of the BBC Bitesize page.

Page 1 – Consolidate, Page 2 – Core, Page 3 – Extend

Complete the worksheet sent on dojo.

Remember: when finding a fraction that Is equal to a percentage, the denominator is 100. When finding the equal decimal, remember the place value grid: tenths come after the decimal, then hundredths.

So 57% = 57/100 = 0.57

EXTEND (Challenge)

Use these tips to help you find these percentages.

English

Reading and Writing

- Think about the classic nursery rhyme Humpty Dumpty. Re-write this story in more detail. You could write it as a report, a newspaper article, a diary from Humpty's point of view or even a comic strip with captions and speech bubbles.

Humpty Dumpty sat on a wall,
Humpty Dumpty had a great fall;
All the king's horses and all the king's men
Couldn't put Humpty together again.

- Make a prediction about what could happen next in the nursery rhyme and explain your answer.
- Watch this version of what could happen 'After the Fall' https://www.youtube.com/watch?v=n63tGkSzNrc
- Talk or write about how Humpty is feeling throughout the story and what you could suggest to help him at different points of the story.

Read at least 20 minutes per day, either your own books or on Bug Club.

Complete the spelling tasks on Spelling Shed

Science

Experiment 1:

Think about the story of Humpty Dumpty and how his fall from the wall had cracked his shell.

Your task is to design a protective case or clothing for an egg. Think about the different materials and their properties. What would be the best material to protect the shell of your egg?

Design and make your 'clothing' for a Humpty Dumpty and test it. Does the egg crack when you have dropped it from a great height?

Extend: Draw a design for your egg protection and label it with the different materials. Write up what happened to your egg after the fall. You could use drawings or photos to support your write up or you could even video it and explain your ideas.

Experiment 2:

Humpty Dumpty made a lot of paper aeroplanes in the story. Try making some of your own and testing to see how far they can fly. There are several different designs you could try or you could even try different sizes. Think about a fair experiment when testing them.

https://www.youtube.com/watch?v=7KPaxKUDj6I

Watch this video for a step by step explanation of how to make one kind of paper aeroplane. They also

TIPS: For finding 50% of a number, you can divide by 2. To find 25% of a number you can divide by 4 (or half and then half again). To find 10% of a number, divide by 10. To find 1% of a number, divide by 100. To find 5% of a number, find 10% and then half it.

This YouTube clip has a fantastic method to help you find fractions of amounts.
https://www.youtube.com/watch?v=ephfJKrqRLs
Have a go at the fractions of amounts at the bottom of the page.

PE

Watch this Celebrity Supply Teacher Episode with Marcus Rashford and complete the exercises.
https://www.bbc.co.uk/iplayer/episode/m000jycy/celebrity-supply-teacher-series-1-3-marcus-rashford-pe

Create your own set of warm up activities that anyone could do in their living room or garden. It should last no more than 10 minutes. You could create a poster to help everyone remember the exercises.

PSHE

Humpty Dumpty became very afraid of heights. He struggled with this fear throughout the story and managed to overcome his fear.

What advice would you have given to Humpty Dumpty to help him over-come his fears?
Think about some things you may be afraid of. Is there anything you could do to help build your courage or confidence to overcome these fears?

Art

In Romania, eggs have been beautifully for centuries and are very symbolic. They are traditionally decorated at Easter and it is a special skill that few become masters of as it is very technical and detailed.
The decoration holds lots of symbolic meaning. Red can mean love and light, black shows eternity, yellow is about youth and rich crops, green relates to nature and blue links sunny skies with good health. The lines also hold meaning. Straight, vertical lines mean life whereas a horizontal line means death. The spiral symbolises eternity and curved lines mean water and purification.
Many modern artists also decorate eggs in minute detail.

You could either decorate a real egg (I'd recommend boiling it first!) using paints or pens or draw one on paper using any medium you wish. Try to think about what your design could symbolise or mean to you and how you could represent this. You may wish to link it the story 'After the Fall'.

explain the science involved in making paper and real aeroplanes fly so make sure you watch it to the end.

Computing

How do you know if you can trust a website?
Follow this link to BBC Bitesize.
https://www.bbc.co.uk/bitesize/articles/zpxp7yc
Watch the video and read the information. Complete the activities at the bottom.

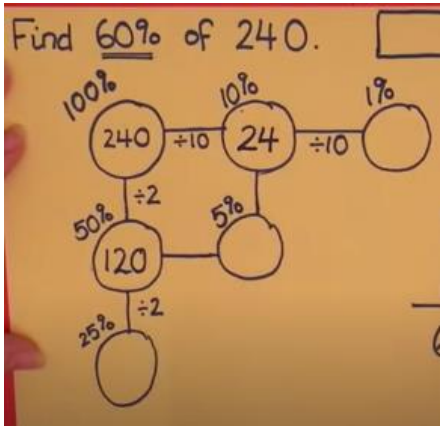
Look at these two websites. One is a hoax. Can you spot which one is real and which one is a fake? Think about the information you have read about trusting a website.
https://kids.nationalgeographic.com/animals/invertebrates/octopus/

https://zapatopi.net/treeoctopus/sightings.html

Produce something to share what you have learnt today and to warn other children of these hoax websites.
You could produce a poster, a picture, a video recording or share your information in any other creative way!

Fractions of amounts – Challenge

1. 50% of 300 = _____
2. 5% of 20 = _____
3. 2% of 150 = _____
4. 80% of 40 = _____
5. 75% of 132 = _____
6. 45% of 800 = _____
7. 23% of 250 = _____
8. 30% of 620 = _____
9. 25% of 52 = _____
10. 15% of 320 = _____
11. 7% of 150 = _____
12. 90% of 160 = _____
13. 50% of 724 = _____
14. 85% of 240 = _____
15. 41% of 900 = _____
16. 70% of 20 = _____
17. 25% of 244 = _____
18. 95% of 190 = _____
19. 68% of 700 = _____
20. 40% of 190 = _____



Watch this video to find a great visual way of finding fractions of amounts.

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