Maths activities Year 4 Week beginning 15.06.20

As well as these you can also do the Week 3 daily activities in Purple Mash, practise your times tables on TT Rockstars and complete daily lessons on MyMaths.

Monday 15th	Challenge activities
Maths riddles 1. I am the perimeter of a square when all the sides are 2cm. I am an even number. What am I? 2. I am a **three-digit** number. My **ones** digit is **three times** more than my **tens** digit, and my **tens** digit is three times more than my **hundreds** digit. My ones digit is 9. What number am I? 3. It takes a man one hour and ten minutes to walk along **each side** of a **square field**. Walking at the same speed it only takes him 70 minutes to walk along the last side. Why?	Can you make up your own riddles for Mr Naylor and Mrs Adam to solve? You can save these on J2e, PurpleMash or you can email your riddles to us! TT Rockstars. **Play 10x Studio games, this will take 10 minutes.** **Challenge Mr Naylor or Mrs Adam on rockslam!**

Tuesday 16th	Challenge activities
Money – design a shop. In your book design a shop which you would like to own. It could anything you want in it e.g. video games, food, pets, anything! Draw and give the price for at least **10** different items in your shop, making sure no individual item costs more than **£10**. Try and make all your prices different. You can use pounds and pence. How much do all the items in your shop cost together? What is the cheapest item? Most expensive? What is the difference between these?	Someone comes into your shop with £20? What is the **maximum** number of items they can buy with £20? What are they? What is the **smallest** number of items he can buy whilst still spending as close to £20 as possible? **MyMaths** **Money problems set activity.**

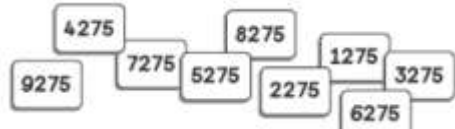| Wednesday 17th	Challenge activities
Multiplication/division **Division**. If you were trying to explain 128 divided by 8, how would you demonstrate it? Create a word problem for this equation, then show it pictorially. e.g. Mr Naylor has 128 Pokémon cards he shares equally between 8 pupils. How many cards each do they get? **Multiplication**. Henry has 7 cupcakes. He bakes three times as many on Monday and then 5 times as many on Tuesday. How many does he have now? Can you show this word problem using a bar model?	Practise the column method of multiplication on these equations: 6 x 12= 8 x 15= 7 x 22= 4 x 36= 5 x 126= 8 x 274= This is a helpful break down for a recap on how to multiply using the column method. https://www.youtube.com/watch?v=zkUUNo90eSE&t=95s **PurpleMash** **Play the Dividers game on PurpleMash. Start off with Challenge A and build yourself up to having a go at Challenge C!**

Thursday 18th	Challenge activities
Number patterns Can you see the sequence of the patterns in these following lists of numbers? | 177	277	377	477	577	677	777	? | What is the next number in the pattern? | 577	567	557	547	537	527	?	?	? | What is the next number in the pattern? 4275 8275 9275 7275 5275 1275 3275 2275 6275 Can you use these numbers to make a number pattern? Can you explain the rules of the number pattern?	Can you tell me what times table this number pattern in moving up in, and what are the next 3 numbers: 15, 18, 21, 24, 27, ?, ?, ? And what about this pattern? 48, 56, ?, 72, ?, 88, 96, ? If you were to start on 1 and double your number every time, how long would it take to get to 10,000? **MyMaths** **Division chunking set activity.**

Friday 19th May	Challenge activities
Chronological dates. In our Topic we are learning about the Ancient Greeks. Can you put these dates of famous Ancient events in **chronological** order? **146 B.C.**- Romans conquer Greece. **776 B.C.**- First Olympic games. **336 B.C.**- Alexander the Great takes over Greece. **431 to 404 B.C.**- War between Sparta and Athens. **1200 B.C.**- Trojan wars. **750 B.C.-** Greek Alphabet created.	Find out some of the birthdays of people in your house and your family. Can you create a chronological timeline of people's birthdays? Try and get the dates of as many people as possible so your timeline contains a lot of information. **MyMaths** **Sequences set activity.**

Access any other apps and websites you feel are appropriate for your child.