Maths activities – Year 6 **Week beginning: 27.04.20**

As well as these you can also do the Week 4 daily activities in Purple Mash

MONDAY 27th	Challenge activities	Additional activities
Maths: Write down **20** division facts that you know (based on your knowledge of the times tables) E.g 5 x 4 = 20 therefore, 20 ÷ 4 = 5. You MAY wish to write down the multiplication fact next to the division fact. **Extension** What do you notice about your number sentences? Are there any patterns?	Multiply a 3-digit number by a 2-digit number using long multiplication. E.g. 123 x 21 = Complete at least **8** examples. Can you have a go at using another method to solve the answer? **If you need help…** Log onto your MyMaths account, click on Practice, go to Page 5 and click on Short and Long Multiplication.	My Maths: as set (check daily) https://www.mymaths.co.uk/ Purple Mash - Choose a maths game/times tables activity https://www.purplemash.com/login/

Email Mr Marsh or Miss Boulter if you have any questions or want to send work.

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TUESDAY 28th	Challenge activities	Additional activities
Maths: Square numbers: Complete the following: 6 squared = 9 squared = 7 squared = 8 squared = 4 squared = 5 squared = Can you have a go at drawing a picture for each one? See below for help. **What are squared numbers?** This is where a number is multiplied by itself. 2 squared = 2 x 2 = 4 4 is a square number. It is called a square number because if we had 4 small squares, we could make a larger square.  **If you need any help…** Log onto your MyMaths account, click on Practice, go to Page 3, click on Squares and Cubes and then click on Try Lesson. **Extension** Can you spot any patterns with square numbers?	Can you have a go at writing down cube numbers starting from 1? How far can you go? **What are cube numbers?** This is where a number is multiplied by itself 3 times. E.g. 2 x 2 x 2 = 8 8 is a cube number because if we had 8 small cubes, they could be used to create a larger cube. **If you need any help…** Log onto your MyMaths account, click on Practice, go to Page 3, click on Squares and Cubes and then click on Try Lesson.	My Maths: as set (check daily) https://www.mymaths.co.uk/ Purple Mash - Choose a maths game/times tables activity https://www.purplemash.com/login/

WEDNESDAY 29th	Challenge activities	Additional activities
Maths: **Subtraction**- choose a task or challenge yourself by completing both! A) Subtracting a 2-digit number by a 2 digit number. E.g. 63 – 12 = 51. REMEMBER- the first number MUST be BIGGER than the second number. B) 3-digit numbers by a 2-digit number e.g. 134 – 32 = Can you complete **8** of your own examples? You may need to RENAME, this where you do not have enough (hundreds, tens, ones) and have to borrow from your neighbour (like we have learnt in class). **If you need help…** Have a look at the following website: https://www.schoolsofkingedwardvi.co.uk/ks2-maths-year-5-5a-addition-subtraction-using-columns/	Can you find the common factors of 64 and 20? **What do you need to do?** 1. Find the factors of each number. 2. Circle the factors that are the same- these are the common factors. **Example** Find the common factors of 20 and 10 **10** 1 x 10= 10 2 x 5 = 10 The factors of 10 are: 1, 10, 2 and 5 **20** 1 x 20 = 20 2 x 10 = 20 4 x 5 = 20 The factors of 20 are: 1, 20, 2, 10, 4 and 5. The COMMON FACTORS of 10 AND 20 are 1, 10, 2 and 5. **If you need any help…** Log onto your MyMaths account, click on Practice, go to Page 2, click on Factors and Primes and then click on Try Lesson.	My Maths: as set (check daily) https://www.mymaths.co.uk/ Purple Mash - Choose a maths game/times tables activity Help for subtraction: https://www.schoolsofkingedwardvi.co.uk/ks2-maths-year-5-5a-addition-subtraction-using-columns/

THURSDAY 30th	Challenge activities	Additional activities
Maths: Subtract the following fractions e.g. 7/8 – 1/8 = 6/8 4/5 – 2/5 = 2/9- 1/9 = 5/8 – 3/8 = 11/12 – 5/12 = **Extension** Can you draw bar models to represent the subtraction? Write an explanation on how subtract fractions. **If you need any help…** Log onto your MyMaths account, click on Practice, go to Page 5, click on Adding and subtracting fractions and then click on Try Lesson.	Explain how you know that the following are NOT prime numbers: 36, 12, 144 **What is a prime number?** A prime number is a number that has only 2 factors. **If you need any help…** Log onto your MyMaths account, click on Practice, go to Page 2, click on Factors and Primes and then click on Try Lesson.	My Maths: as set (check daily) https://www.mymaths.co.uk/ Purple Mash - Choose a maths game/times tables activity https://www.purplemash.com/login/

FRIDAY 1st May	Challenge activities	Additional activities
Maths: **Multiplication**- Choose your task OR challenge yourself by completing all! A) Multiply numbers by 100 e.g. 5 x 100 = 500. Multiply each of these numbers by 100: 8, 7, 2, 1, 6 B) Multiply decimals numbers by 10 e.g. 1.5 x 10 = 15. Multiply each number by 10: 1.6, 2.9, 6.7, 17.7, 28.5 C) Multiply decimals by 10 and 100 Multiply by 10: 12.7, 123.4, 98.07 Multiply by 100: 87.09, 65.003, 6.7 **Extension** Can you complete your own examples? Can you explain your method? **If you need any help…** Log onto your MyMaths account, click on Practice, go to Page 2, click on Multiply decimals by 10 and 100 and then click on Try Lesson.	Covert improper fractions into mixed number fractions. E.g. 7/5 = 1 whole and 2/5 Can you draw a picture to prove your answer? **If you need any help…** Log onto your MyMaths account, click on Practice, go to Page 5, click on Improper and Mixed fractions and then click on Try Lesson.	My Maths: as set (check daily) https://www.mymaths.co.uk/ Purple Mash - Choose a maths game/times tables activity https://www.purplemash.com/login/