Year 5 maths week 2								
5 days of problem solving	Day 1 Activity	Day 2 Activity	Day 3 Activity	Day 4 Activity	Day 5 Activity			
Factual fluency (to aid fluency)	https://www.topmarks.co.uk/m aths-games/daily10 Daily 10-level 5-multiplication- mixed tables up to x12	https://www.topmarks.co.uk/m aths-games/daily10 Daily 10-level 5-multiplication- mixed tables up to x12	https://www.topmarks.co.uk/m aths-games/daily10 Daily 10-level 5-multiplication- mixed tables up to x12	https://www.arcademics.co m/games/demolition demolition division-range1 to 12-choose your game speed	https://www.arcademics.co m/games/demolition demolition division-range1 to 12-choose your game speed			
Problem/activity of the day	Roll a dice 10 times (or use digits 1, 2, 3, 3, 4, 4, 5, 5, 6, 6) to make two 5-digit numbers. Create a subtraction calculation. Put the highest digit at the start of the first number in your calculation. Use the formal written method to solve (layout below). Complete 12 different formal subtraction calculations.	Work out the following calculations: $8 \div 4 =$ $9 \div 4 =$ $10 \div 4 =$ Complete the problem: Asomergin divide a cut not on piece. Asomergin divide a cut not on p	Use the formal method (layout below) to complete the following calculations: 1. 213 x 3 = 2. 34 x 21 = 3. 324 x 12 = 4. 432 x 23 = <u>Finished? Well done!</u> Write an explanation for how you solved question 1 and question 4. What is different in how you solved them?	Use a bar model diagram to show how to solve this problem: Sam and Tom have £46.80 between them. If Sam has £6.20 more than Tom, how much does Tom have? How much does Sam have? Complete the problem and explain how your bar model shows your thinking.	12 can be factored as 1 x 12, 2 × 6, or 3 × 4; therefore, the factors of 12 are 1, 2, 3, 4, 6 and 12. 12 has 6 factors. My friend says, 'Factors come in pairs, so all numbers have an even number of factors!' Do you agree? Explain your thinking and use several examples to prove your point.			
Resources you will need	Dice (or digits above) Paper and pencil	Paper and pencils	Paper and pencil	Paper and pencil	Paper and pencil			
Tips, clues or methods to help	Draw a place value chart to keep the digits in place. Need help with calculation? Check: <u>https://www.belleville-</u> <u>school.org.uk/our-</u> <u>learning/calculation-videos</u>	Use your multiplication tables knowledge. Need help with calculation? Check: <u>https://www.belleville-</u> <u>school.org.uk/our-</u> <u>learning/calculation-videos</u>	Need help with calculation? Check: <u>https://www.belleville-</u> <u>school.org.uk/our-</u> <u>learning/calculation-videos</u>	Need help with calculation? Check: <u>https://www.belleville-</u> <u>school.org.uk/our-</u> <u>learning/calculation-videos</u>	Start with 1x (the number you chose), i.e. 6 = 1 x 6. Even numbers end with 0, 2, 4, 6 or 8.			
Want to check?	Use the inverse to check.	Use the inverse to check.	Use the inverse to check.	Use the inverse to check.	Use your times tables.			
Theme	4 operations	4 operations	4 operations	4 operations	4 operations			

See below for: formal subtraction layout example, formal multiplication layout example Additional activities below: problem solving using the 4 operations



Day 1: Subtraction Dice Challenge

I rolled a dice 10 times. I generated these numbers: 2, 3, 6, 6, 2, 5, 1, 4 1, 1. With these digits, I made this subtraction calculation:

<u>TTh</u>	Th	Η	T	0
6	2	6	2	1
5	1	3	4	1

Day 2: Enlarged word problem:



Support - This example might help you with solving this word problem! 61 ÷ 2 = 30 remainder 1 3 x 2 = 6 30 x 2 = 60 30 x 2 + 1 = 61



Day 3: formal multiplication is laid out like this:



Additional activities:

Set out and solve these calculations using a column method.	True or False?			
3254 + = 7999	 3999 - 2999 = 4000 - 3000 3999 - 2999 = 3000 - 2000 2741 - 1263 = 2742 - 1264 			
6373 - = 3581	 2741 + 1263 = 2742 + 1264 2741 - 1263 = 2731 - 1253 2741 - 1263 = 2742 - 1252 			
6719 = 4562	Explain your reasoning. Using this number statement, 5222 – 3111 = 5223 – 3112 write three more pairs of equivalent calculations.			



