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.	Complete the problem: A 50cm length of wood is cut into 4cm pieces. How many 4cm pieces are cut and how much wood is lift over? Fill in the blanks to represent the problem as division:	Use the formal method (layout below) to complete the following calculations: 1. 213 x 3 = 2. 32 x 23 = 3. 267 x 12 = 4. 876 x 52 = Finished? Well done! Write an explanation of 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 £67.80 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.	My friend says 'Factors come in pairs so all numbers have an even number of factors!' Do you agree? Explain your thinking and use 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: https://www.bellevilleschool.org.uk/our-learning/calculation-videos	Need help with calculation? Check: https://www.belleville-school.org.uk/our-learning/calculation-videos	Need help with calculation? Check: https://www.belleville-school.org.uk/our-learning/calculation-videos	Need help with calculation? Check: https://www.belleville-school.org.uk/our-learning/calculation-videos	Methodically use your multiplication tables knowledge to help you with this question. Or use 'factor bugs'
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

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



<u>Day 1: Subtraction Dice Challenge</u>

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	Н	T	0
6	2	6	2	1

- 5 1 3 4 1

Day 2: Enlarged word problem:

A 50 cm length of wood is cut into 4 cm pieces.

How many 4 cm pieces are cut and how much wood is left over?



Fill in the blanks to represent the problem as division:

÷	=	remainder	

Fill in the blanks to represent the problem as multiplication:

Day 3: formal multiplication is laid out like this:



Additional activities:

Set out and solve these calculations using a column method.

3254 + = 7999

2431 = - 3456

6373 - = 3581

6719 = - 4562

True or False?

- 3999 2999 = 4000 3000
- 3999 2999 = 3000 2000
- 2741 1263 = 2742 1264
- 2741 + 1263 = 2742 + 1264
- 2741 1263 = 2731 1253
- 2741 1263 = 2742 1252

Explain your reasoning.

Using this number statement, 5222 - 3111 = 5223 - 3112 write three more pairs of equivalent calculations.

Write four number facts that this bar diagram shows.

9·5 3·8 5·7

+ =

+ =

_ _ _ =

_ =

The table shows the cost of train tickets from different cities.

What is the total cost for a return journey to York for one adult and two children? How much more does it cost for two adults to make a single journey to Hull than to Leeds?

		York	Hull	Leeds
Adult	Single	£13·50	£16-60	£11-00
	Return	£24-50	£30-00	£20-00
Child	Single	£9.75	£11.00	£8-00
	Return	£15·00	£18-50	£13·50

