

Year 2 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/learning-to-count/coconut-odd-or-even odd and even – to 100	https://www.arcademics.com/games/alien alien addition-range 1 to 12- choose your own speed	https://www.arcademics.com/games/mission minus mission-range 1 to 12- choose your own speed	https://www.arcademics.com/games/mission minus mission-range 1 to 12- choose speed	https://www.arcademics.com/games/mission minus mission-range 1 to 12- choose speed
Problem/activity of the day	<p>My friend says, 'An odd number + an odd number = an even number'</p> <p>Is this <u>sometimes</u> true, <u>always</u> true or <u>never</u> true?</p> <p>Check with your own addition equations and explain your thinking.</p> <p>Remember odd or even numbers can be greater than 10!</p>	<p>Roll a dice 4 times (or use some of these digits: 1, 2, 3, 4, 5 or 6,) to make two 2-digit numbers.</p> <p>Or use: https://www.random.org/dice/?num=1</p> <p>Create an addition calculation. Put the digits in any order</p> <p>Use the formal written method to solve (layout below). Complete 8 different formal addition calculations.</p>	<p>Roll a dice 4 times (or use some of these digits: 1, 2, 3, 4, 5 or 6,) to make two 2-digit numbers.</p> <p>Or use: https://www.random.org/dice/?num=1</p> <p>Create a subtraction calculation. Use the highest digit to start the first number in your equation.</p> <p>Use the formal written method to solve (layout below). Complete 8 different formal subtraction calculations.</p>	<p>Two friends <u>share</u> 12 sweets <u>equally</u> between them.</p> <p>How many do they each get?</p> <p>Write this as a division number sentence and write an answering statement.</p> <p>Make up two more <u>sharing</u> stories like this one and explain how a friend should solve them.</p>	<p>Sally buys 4 cinema tickets costing £5 each. How much does she spend?</p> <p>My friend says you can solve this problem with multiplication OR addition. Is that true?</p> <p>Explain how she could have used addition or multiplication to solve the problem.</p>
Resources you will need	Paper and pencil	Dice (or digits above) Paper and pencil	Dice (or digits above) Paper and pencil	Paper and pencil	Paper and pencil
Tips, clues or methods to help	<p>Odd numbers are fine, they end in 1, 3, 5, 7 or 9</p> <p>Even numbers are great, they end in 0, 2, 4, 6 or 8</p>	<p>Draw a place value grid to keep the digits in place.</p> <p>Need help with calculation? Check: https://www.belleville-school.org.uk/our-learning/calculation-videos</p>	<p>Draw a place value grid to keep the digits in place.</p> <p>Need help with calculation? Check: https://www.belleville-school.org.uk/our-learning/calculation-videos</p>	<p>Need help with calculation? Check: https://www.belleville-school.org.uk/our-learning/calculation-videos</p>	<p>Draw a picture or bar model for each way of solving the problem and write out the calculation for each.</p>
Want to check?	Check your numbers are odd or even	Use the inverse to check	Use addition to check	Ask an adult to solve your problems	Check each calculation
Theme	4 operations	4 operations	4 operations	4 operations	4 operations

See below for: formal addition and subtraction layout examples

Additional online activities: <https://www.topmarks.co.uk/mathsgames/hit-the-button>
(Hit the Button - Halves - halves from 10 to 20, or halves to 100)



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<https://www.topmarks.co.uk/number-facts/number-fact-families>
(Number Fact Families - addition and subtraction – up to 100 – 1+ 2 = 3)

<https://www.topmarks.co.uk/learning-to-count/coconut-odd-or-even>
(Odd, even and odd and even activities – to 100)

Day 2 – Addition Dice Challenge

$$\begin{array}{r} \text{T} \quad \text{O} \\ \hline 5 \quad 4 \\ + \quad 3 \quad 1 \\ \hline \end{array}$$

I rolled a dice 4 times. I generated these numbers:
5, 1, 3, 4.

With these digits, I made this addition calculation.

How many calculations can you make?

Solve using the column method for addition.

Day 3 – Subtraction Dice Challenge

$$\begin{array}{r} \text{T} \quad \text{O} \\ \hline 6 \quad 2 \\ - \quad 3 \quad 5 \\ \hline \end{array}$$

I rolled a dice 4 times. I generated these numbers:
6, 2, 3, 5.

With these digits, I made this subtraction calculation.

How many calculations can you make?

Solve using the column method for subtraction.



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