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	My friend says, 'An odd number **+** an odd number **=** an even number' Is this <u>sometimes</u> true, <u>always</u> true or <u>never</u> true? **Check** with your own addition equations and **explain** your thinking. Remember odd or even numbers can be greater than 10!	Roll a dice 4 times (or use some of these digits: 1, 2, 3, 4, 5 or 6,) to make two 2-digit numbers. Or use: **https://www.random.org/dice/?num=1** Create an addition calculation. Put the digits in any order Use the formal written method to solve (layout below). **Complete 6** different formal addition calculations.	Roll a dice 4 times (or use some of these digits: 1, 2, 3, 4, 5 or 6,) to make two 2-digit numbers. Or use: **https://www.random.org/dice/?num=1** Create a subtraction calculation. Use the highest digit to start the <u>first</u> number in your equation. Use the formal written method to solve (layout below). **Complete 6** different formal subtraction calculations.	Two friends <u>share</u> 12 sweets <u>equally</u> between them. How many do they each get? Write this as a division number sentence and write an answering statement. Make up two more <u>sharing</u> stories like this one and **explain** how a friend should solve them.	Sally buys 4 cinema tickets costing £5 each. How much does she spend? My friend says you can solve this problem with multiplication <u>OR</u> addition. Is that true? **Explain** how she could have used addition or multiplication to solve the problem.
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	Odd numbers are fine, they end in 1, 3, 5, 7 or 9 Even numbers are great, they end in 0, 2, 4, 6 or 8	Draw a place value grid to keep the digits in place. Need help with calculation? Check: **https://www.belleville-school.org.uk/our-learning/calculation-videos**	Draw a place value grid to keep the digits in place. 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**	Draw a picture or bar model for each way of solving the problem and write out the calculation for each.
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/maths-games/hit-the-button
(Hit the Button - Halves - halves from 10 to 20)

Day 1 support:

Try working out these odd + odd equations. Is the total an even number each time?
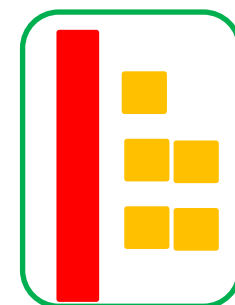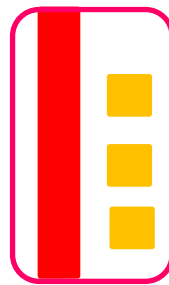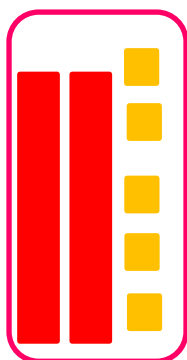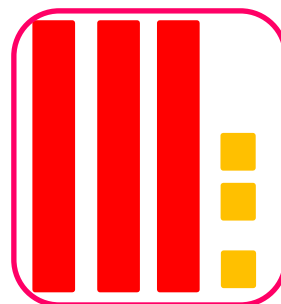Then try some of your own.
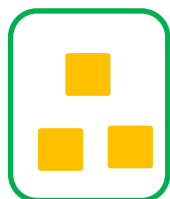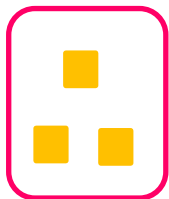
3 + 3 = ☐

☐ + ☐ = ☐

☐ + ☐ = ☐

☐ + ☐ = ☐

Day 2 support:

Tens	Ones
●	●●● (dice patterns)

Tens	Ones
●●●	●
●	●●●●●●

Tens	Ones
●●●●	●●●●●●
●●●	●●●●●

You need to rename for this one.

```
    T   O
  _____
    1   3
+
    2   4
  _____

  _____
```
Now try some of your own.

```
    T   O
  _____
    3   2
+
    1   6
  _____
```

```
    T   O
  _____
    4   6
+
    3   5
  _____
```
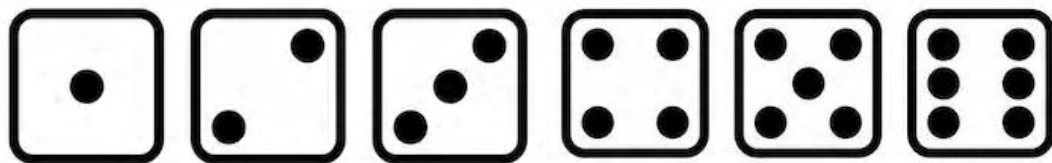
Day 3 support:

Tens	Ones

Tens	Ones

Tens	Ones

You need to rename for this one

T   O
_____

2   4

-

1   3

_____

_____

Now try some of your own.

T   O
_____

3   6

-

1   2

_____

_____

T   O
_____

4   3

-

3   5

_____

_____

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£5   £5   £5   £5

☐ + ☐ + ☐ + ☐ = ☐

☐ X ☐ = ☐

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