



Learning Letter wb 4th May

Maths this week



This week you will be continuing your work on place value where the focus will move towards adding / subtracting thousands, comparing and ordering numbers and counting in 25s. Good luck.

Year 4 - Jamie Noble's Maths group 4JN

Lesson 1

Learning question:

Can I use and recognise negative numbers?

Success criteria:

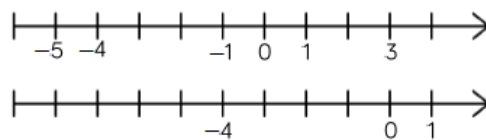
- I can make a negative number line
- I can count backward/forward over 0
- I can add subtract into negative numbers
- I can apply negative to a real life context

Model and explanation:

We will explore what happens when you count backwards from 0 and how / when negative numbers are used (e.g. floors underground, metres under the sea).

We will use a number line to count forward and back.

Complete the number lines

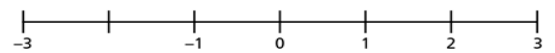


Example questions:

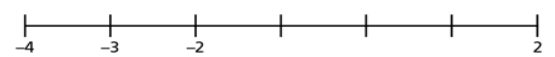
1) Complete the number lines.

Complete the number lines.

a)

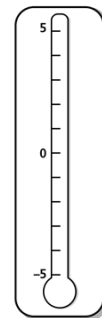


b)



2

Complete the temperature labels on the thermometer. Circle the warmest temperature in each pair.



- a) 2°C 4°C
- b) 5°C 0°C
- c) -1°C 1°C
- d) -3°C 0°C
- e) 4°C -1°C
- f) -4°C 1°C

3)

Whitney is counting backwards in 10s from 37



37, 27, 17, 7, -7, -17

Is Whitney correct? _____

Write the numbers she should say, to check your answer.

Lesson 2

Learning question:

Can I add 10/100/1000s?

Success criteria:

- I can count forward in the correct column
- I can count over a place value barrier by adding a digit in the correct column (90 + 10)

You will be adding multiples of 10,100,1000 by counting on in the correct column

Complete the calculations.

Use the place value chart to help you.

| 1,000s | 100s | 10s | 1s |
|--------|------|-----|----|
| 5 | 3 | 7 | 8 |

e.g

$$5,375 + 2000 = 7,375$$

$$5,375 + 100 = 5,475$$

Example Questions

1)



The number being represented is _____.

Add 3 thousands to the number. What do you have now?

Add 3 hundreds to the number. What do you have now?

Subtract 3 tens from the number. What do you have now?

Add 5 ones to the number. What do you have now?

2)

= 100)

- I can answer addition word problems

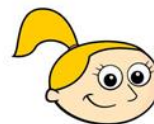
Here is a number.

| Thousands | Hundreds | Tens | Ones |
|-----------|----------|------|------|
| 5 | 3 | 8 | 2 |

Add 3 thousands to the number.
 Subtract 4 thousands from the answer.
 Subtract 2 ones.
 Add 5 tens.
 What number do you have now?

3)

Is Eva correct?



If I keep taking ten away from the number 2,562 only the tens will change.

Lesson 3

Learning question:

- Can I add two 4 digit numbers?

Success criteria

- I can add numbers by counting in each column
- I start with the smallest value
- I can solve inverse problems by using subtraction

You will use pictures / visual representations. e.g use the pictures to add $3,242 + 2,213$ by adding the counters shown in each column.

| 1,000s | 100s | 10s | 1s |
|--------|------|-----|----|
| | | | |
| | | | |

This then moves towards a more traditional column method e.g.

| | | | | |
|---|---|---|---|---|
| | 3 | 2 | 4 | 2 |
| + | 2 | 2 | 1 | 3 |
| | 5 | 4 | 5 | 5 |

Example Questions

1) Use the counters to add $312 + 522 =$

| H | T | O |
|---|---|---|
| | | |
| | | |

2) The distance from Scotland to France is 1,550 km.

The distance from France to Spain is 1,002 km. Teddy is travelling from Scotland to France and then France to Spain. How far will he travel in total?

3) Alex is calculating $5,702 + 125$. Do you agree with Alex?

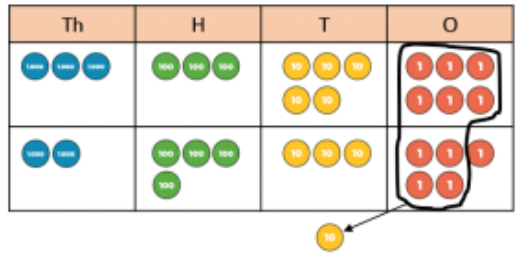
| | | | | | |
|--|---|----|---|---|---|
| | | Th | H | T | O |
| | | 5 | 7 | 0 | 2 |
| | + | 1 | 2 | 5 | |
| | | 6 | 9 | 5 | 2 |

Lesson 4

Learning question:
Can I add two 4 digit numbers with an exchange?

- Success criteria:
- I can use the formal method for addition
 - I can make exchanges (when there is too many in one column)
 - I can use bar models
 - I can solve inverse problems with more than one solution

You will use pictures to add again. However when there is a total of more than 10 in one column you will add one to the next column and then use the ones left over. As shown

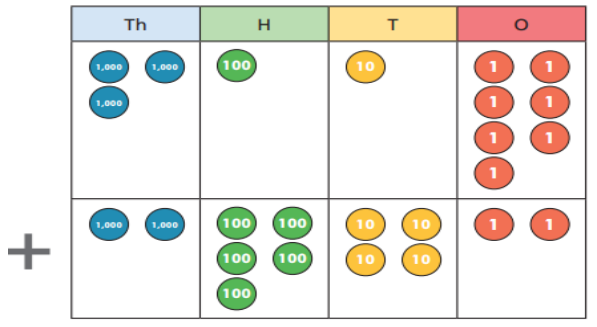


| | Th | H | T | O |
|---|----|---|---|---|
| | 3 | 3 | 5 | 6 |
| + | 2 | 4 | 3 | 5 |
| | 5 | 7 | 9 | 1 |
| | | | 1 | |

Example Questions:

1) Complete the calculations.
Use the place value charts to help you.

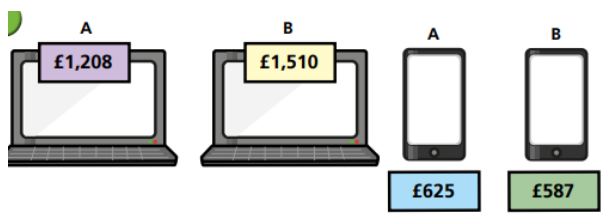
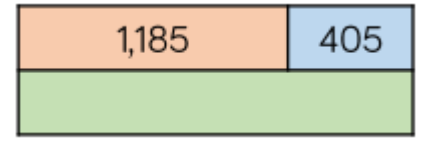
a) $3,117 + 2,542 = \square$



2) Use the method to add the following.

| | Th | H | T | O |
|---|----|---|---|---|
| | 5 | 1 | 6 | 3 |
| + | 2 | 4 | 5 | 1 |
| | | | | |
| | | | | |

4) Complete the bar model by adding the two numbers and writing the answer in the green space.



Mr Robson has £2,100 to spend on a mobile phone and a laptop.
Which combinations of laptops and phones can he afford to buy?

Lesson 5

- Friday - bank holiday

Good luck with your learning this week! 😊