THIRD SPACE LEARNING

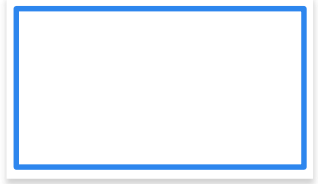
HELLO!

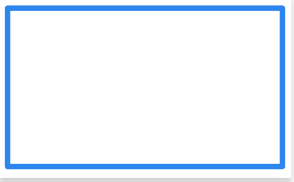
Today we are going to revise number and place value

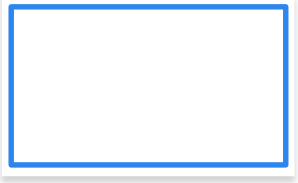
THIRD SPACE LEARNING

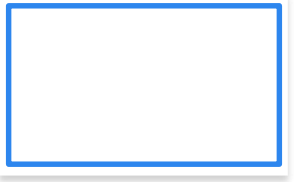
Arithmetic Warm Up
Subtraction

Use the space under each question to show your working out.

1. 502 - 67 = 

2.  – 500 = 35 500

3. $\frac{6}{7} - \frac{2}{7} =$ 

4. 17.3 – 9.99 = 

THIRD SPACE LEARNING

Revision on number and place value.

Today we are going to revise how to:

- use place value to multiply and divide by 10, 100 and 1000
- round numbers to the nearest 10, 100, 1000 and 10 000
- use knowledge of negative numbers in context to solve real-life problems.

THIRD SPACE LEARNING

Revision – multiplying by 10, 100 and 1000

Look at this place value chart – what can you tell me about place value?

millions	hundred thousands	ten thousands	thousands	hundreds	tens	ones

1. Write 213 in the chart.
2. Multiply this number by 10 – what happens to the digits?
3. What happens if you multiply 213 by 100?
4. 213 x 1000 = ☐

Revision – dividing by 10, 100 and 1000

Look at this place value chart – what can you tell me about place value?

thousands	hundreds	tens	ones	tenths	hundredths	thousandths

1. Write 73 in the chart.
2. Divide this number by 10 – what happens to the digits?
3. What happens if you divide 73 by 100?
4. 73 ÷ 1000 = ☐

THIRD SPACE LEARNING

Question 1

Complete

What do you notice?

What do you know?

Look at this number.

23,451.96

Write the **digit** that is in the hundreds place.

1 mark

Can you show your working out?

How could you extend the question?

Write the **digit** that is in the hundredths place.

1 mark

Question 2

Complete

What do you notice?

What do you know?

Here are six cards.

× 10	× 100	× 1000
÷ 10	÷ 100	÷ 1000

Use a card to complete each calculation.

5.3 ☐ = 0.53

5.3 ☐ = 5300

5.3 ☐ = 0.053

Can you show your working out?

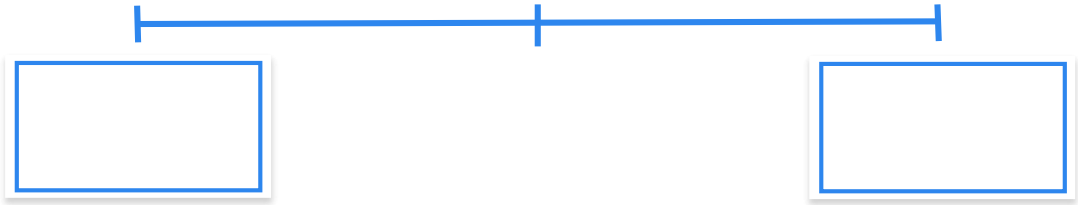
How could you extend the question?

Revision: Rounding to the nearest 10

What is meant by nearest 10? Round this number to the nearest 10

8 4 7

What would be the multiples of 10 either side of this number? Write them in on the number line.



Write down the number that would be in the middle of your number line.

Where would 847 fit on your number line? Which multiple of 10 is it nearer to?

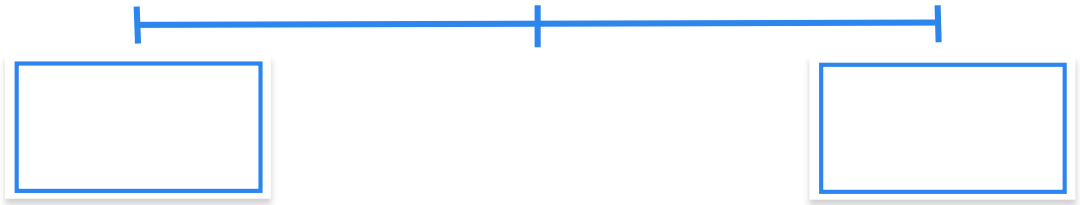
So, 847 rounded to the nearest 10 is ☐

Revision: Rounding to the nearest 100

What is meant by nearest 100? Round this number to the nearest 100

9 4 8

What would be the multiples of 100 either side of this number? Write them in on the number line.



Write down the number that would be in the middle of your number line.

Where would 948 fit on your number line? Which multiple of 100 is it nearer to?

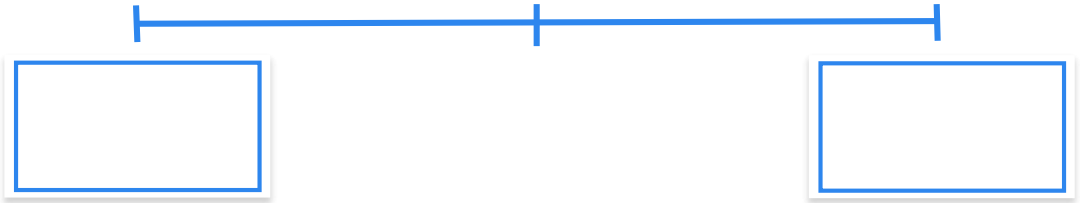
So, 948 rounded to the nearest 100 is ☐

Revision: Rounding to the nearest 1 000 and 10 000

1. Round this number to the nearest 1000

75 401

Think of the multiples of 1000 either side of this number.



What number would go in the middle?

So, 75 401 rounded to the nearest 1000 is ☐

2. Round 75 401 to the nearest 10 000. ☐

THIRD SPACE LEARNING

Question 3

Complete

What do you notice?

What do you know?

Round **124,531**

to the nearest 10,000 ☐

to the nearest 1,000 ☐

to the nearest 100 ☐

Can you show your working out?

How could you extend the question?

THIRD SPACE LEARNING

Question 4

Complete

What do you notice?

Olly thinks of a number and rounds it as shown in the table below.

	To the nearest 1 000	To the nearest 100	To the nearest 10
Olly's number	4 000	3 800	3 830

What is the smallest and the largest number that Olly could have used?

a) Smallest number

b) Largest number

What do you know?

Can you show your working out?

How could you extend the question?

THIRD SPACE LEARNING

Let's review:

- I can understand place value and multiply/divide numbers by 10, 100 and 1000
- I can round numbers to the nearest 10, 100, 1000 and 10 000

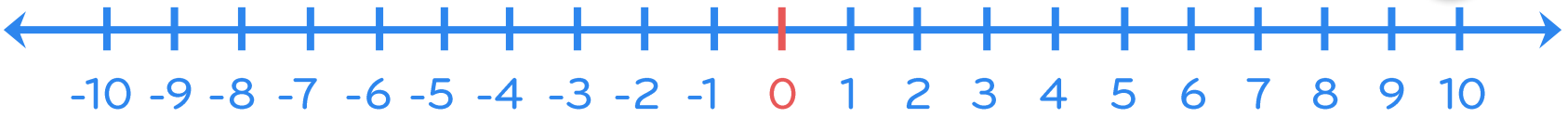
Draw a circle around the smiley face to show how you feel about what we've just been doing.

Is there something you would like to go over before we move on?

THIRD SPACE LEARNING

Revision: Negative numbers

Can you think of a question which would involve negative numbers?



Increase -7 by 5 ☐

-5 + 8 = ☐

Increase -3 by 9 ☐

-4 - 7 = ☐

Decrease 2 by 7 ☐

3 – 16 = ☐

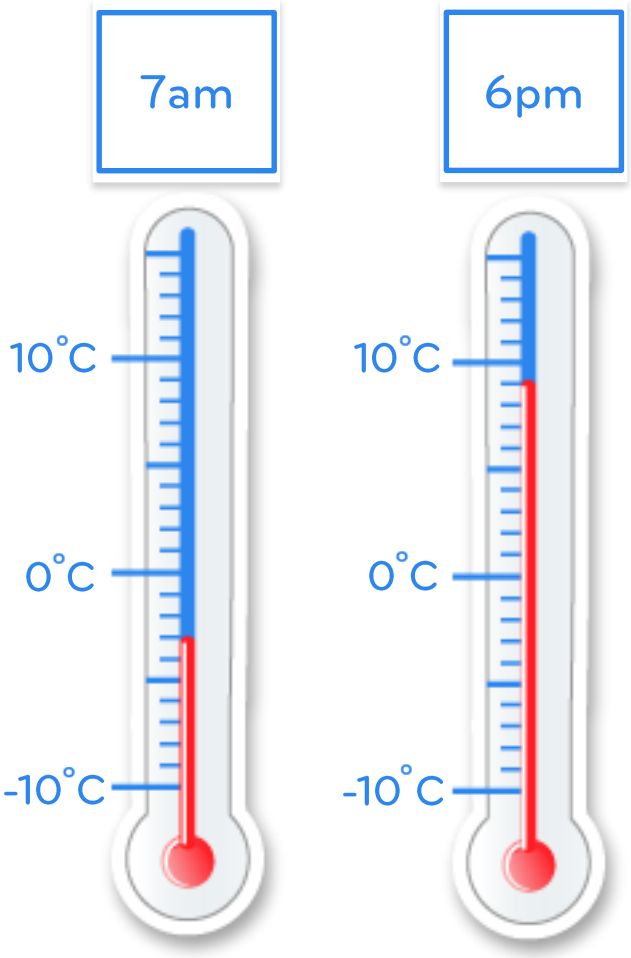
THIRD SPACE LEARNING

Revision: Negative numbers in context

1) What was the temperature at both times of day?

2) What is the difference between the two temperatures?

3) At 3pm it was 7°C, how many degrees warmer is this than the temperature at 7am?



THIRD SPACE LEARNING

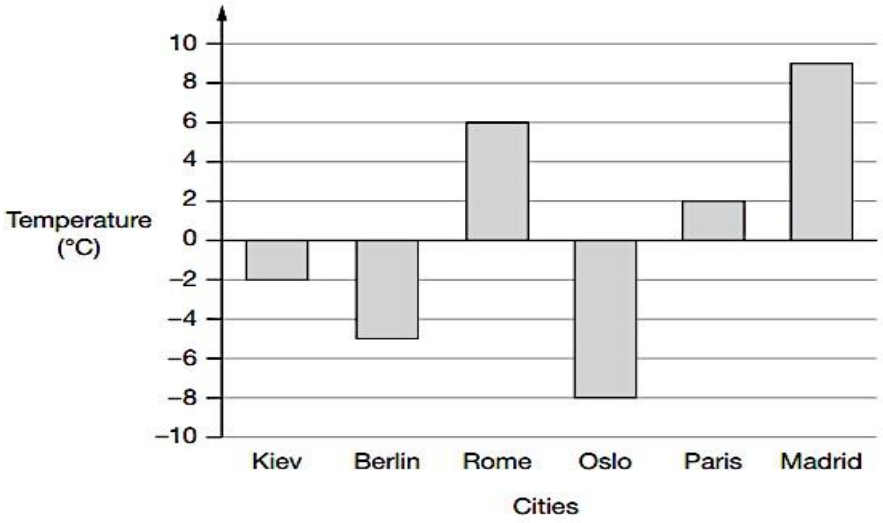
Question 5

Complete

What do you notice?

What do you know?

This graph shows the temperature in six cities on one day in January.



Which city was 4 degrees **warmer** than Kiev?

_____ 1 mark

What was the **difference** between the temperature in Oslo and the temperature in Berlin?

°C 1 mark

Can you show your working out?

How could you extend the question?

THIRD SPACE LEARNING

Let's review:

I can use knowledge of negative numbers to work out real life problems

Draw a circle around the smiley face to show how you feel about what we've just been doing.

Is there something you would like to go over before we move on?