POWER MATHS

Year group:	3
Type of test:	End of Half Term
Term:	Autumn 1
Test content:	Reasoning
Power Maths topic:	Book 3A, Units 1 and 2
Test duration:	20 minutes

Name: _____

Class: _____

Date: _____

1 | Write the number shown by the arrow.

```
├────┼────┼────┼────┼────┼────┼────┼────┼────┼────┤
400  410  420  430  440  450  460       480  490  500
```

↑

[ ]
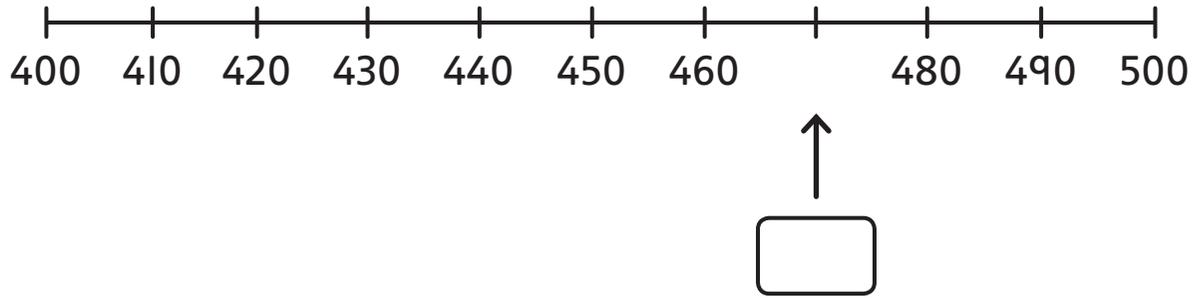
[1 mark]

2 Write <, > or = in the circle to make the statement true.

250 $\bigcirc$ 1,000

[1 mark]

3 Order the numbers. Start with the smallest number.

407, 47, 740

$\square$ $\square$ $\square$

[1 mark]

4 A box contains 100 pencils.

Kayla has 600 pencils in boxes.

How many boxes of pencils does Kayla have?

boxes

[1 mark]

POWER MATHS

5 Write the two missing numbers in the pattern.

0, ☐, 100, 150, ☐

[1 mark]

6 Emily writes $500 + 7 + 20 = 572$

Explain why Emily is not correct.

_____

_____

_____

_____

[1 mark]

7 Write a digit in each box to make the sum correct.

$$18\boxed{} + \boxed{} = 195$$

[1 mark]

POWER MATHS

8 Complete the table with the correct missing numbers.

Number	10 more
124	
297	
	776
	508

Show your method

[2 marks]

9 Toby collects football cards. He has 243 cards.

Toby gives 9 cards away.

How many cards does Toby have left?

✎

| cards |

[1 mark]

POWER MATHS

10 Shey works out 40 + 681

She writes:

4 tens + 8 tens = 12 tens
40 + 681 = 621

What mistake has Shey made?

_____

_____

_____

_____

[1 mark]

11 Write one digit in each box to make the statement true.

4 ☐ 3 > 45 ☐

[1 mark]

POWER MATHS

Write a digit in each box to make the sum correct.

```
      H   T   O
      4  [ ]  2
  +      [ ]  9
      5   7   1
```

✏️

[1 mark]

13 Taylor works out 417 − 60.

He writes '60 − 10 = 50, 417 − 60 = 457'.

What mistake has Taylor made?

✎

_____

_____

_____

_____

[1 mark]

POWER MATHS

14 A film is 137 minutes long.

George watches the first 29 minutes.

He then fast forwards 32 minutes.

How long is left of the film?

Show your method

| minutes |

[2 marks]

15 Jack sent 400 text messages in a month.

He sent 23 messages to his parents and 89 messages to his sister.

Jack sent the rest of his text messages to his friends.

How many text messages did Jack send to his friends?

Show your method

[2 marks]

POWER MATHS