Section B

Write your answers in the spaces provided.

11 Write 265 049 in words.

two hundred and sixty-five thousand and forty-nine

12 Arrange the numbers in descending order.

| 445 500 | 454 500 | 504 540 | 504 450 |

504 540, 504 450, 454 500, 445 500

13 What is 80 000 less than 888 888?

808 888

14 Form the smallest 6-digit odd number with the following digits:

| 8 | 4 | 0 | 3 | 6 | 2 |

204 683

15 A number rounded to the nearest 10 000 is 100 000.
What is the smallest possible number it could be?

95 000

16 $39\,687 = 30\,000 + 9000 + 600 +$ 80 + 7

80 + 7

17 Which digit makes this subtraction correct?

$$
\begin{array}{ccccccc}
 & 8 & 5 & 4 & 6 & 9 & ? \\
- & 2 & ? & 6 & 5 & 3 & 8 \\
\hline
 & 6 & ? & 8 & 1 & 5 & 4 \\
\hline
\end{array}
$$

2

18 Fill in the blanks.

$6^2 =$ 6 × 6 = 36

19 Fill in the blanks.

$4^3 =$ 4 × 4 × 4 = 64

20 $\frac{1}{3}$ and $\boxed{\frac{4}{9}}$ make $\frac{7}{9}$.

What is the missing fraction?

$$\boxed{\frac{4}{9}}$$

21 Charles shares 9 pancakes equally with four friends.
What fraction of the pancakes will each person get?

$$\boxed{1\frac{4}{5}}$$
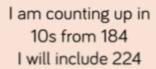
22 What is the remainder when 8969 is divided by 6?

$$\boxed{5}$$

23 Write $\frac{24}{9}$ as a mixed number in its simplest form.

$$\boxed{2\frac{2}{3}}$$

I am counting up in 10s from 184
I will include 224

Mo

Rosie

I am counting up in 100s from 604
I will include 1,040

I am counting up in 1,000s from 13
I will include 130,000

Jack

Who has made a mistake?
Identify anyone who has made a mistake and explain how you know.

Jack says,

When I add two numbers together I will only ever make up to one exchange in each column.

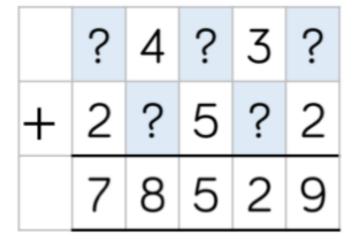Do you agree?
Explain your reasoning.

Complete:

	Th	H	T	O
	6	?	?	8
+	?	?	8	?
	9	3	2	5

Mo says that there is more than one possible answer for the missing numbers in the hundreds column.
Is he correct?
Explain your answer.

Work out the missing numbers.

	?	4	?	3	?
+	2	?	5	?	2
	7	8	5	2	9

Answers below:

I am counting up in 10s from 184
I will include 224

Mo

I am counting up in 100s from 604
I will include 1,040

Rosie

I am counting up in 1,000s from 13
I will include 130,000

Jack

Who has made a mistake?
Identify anyone who has made a mistake and explain how you know.

Rosie has made a mistake. She is counting in 100s; therefore the ones column should never change.

Jack has also made a mistake as he is counting in 1,000s, so the tens and ones columns won't change.

Jack says,

When I add two numbers together I will only ever make up to one exchange in each column.

Do you agree?
Explain your reasoning.

Jack is correct. When adding any two numbers together, the maximum value in any given column will be 18 (e.g. 18 ones, 18 tens, 18 hundreds). This means that only one exchange can occur in each place value column.
Children may explore what happens when more than two numbers are added together.

Complete:

	Th	H	T	O
	6	?	?	8
+	?	?	8	?
	9	3	2	5

Mo says that there is more than one possible answer for the missing numbers in the hundreds column.
Is he correct?
Explain your answer.

Work out the missing numbers.

	?	4	?	3	?
+	2	?	5	?	2
	7	8	5	2	9