

Name	
Date	

Section 1:

add and subtract numbers mentally with increasingly large numbers

1 Look at this pattern.

The sum of the numbers across and the sum of the numbers down is 10,000

Write the missing numbers

$$\begin{array}{c} \textcircled{2,200} \\ + \\ \textcircled{2,500} + \textcircled{3,000} + \textcircled{} = 10,000 \\ + \\ \textcircled{} \\ = \\ 10,000 \end{array}$$

2 marks

2

Complete these calculations.

$$4,000 - 1 =$$

$$2,905 + 100 =$$

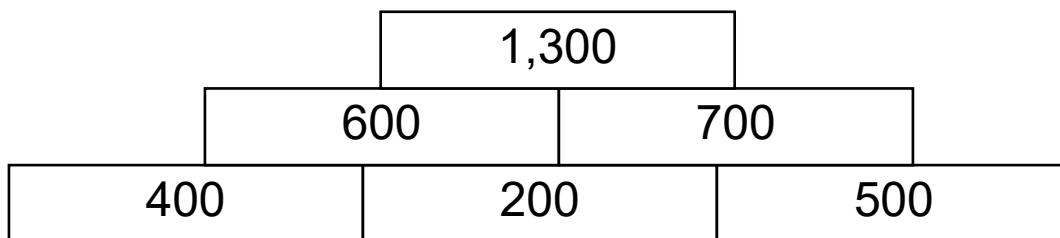
$$70,005 - 705 =$$

$$199 + 14,325 =$$

4 marks

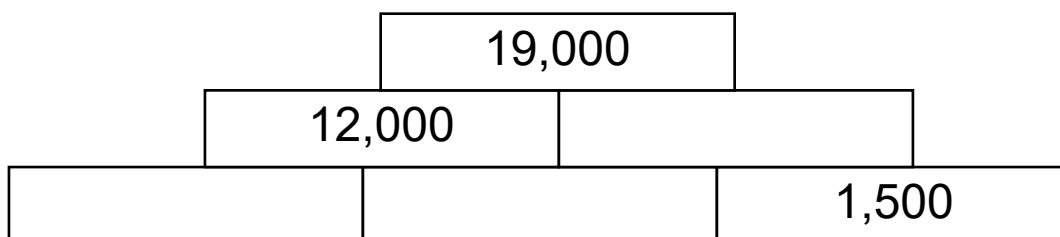
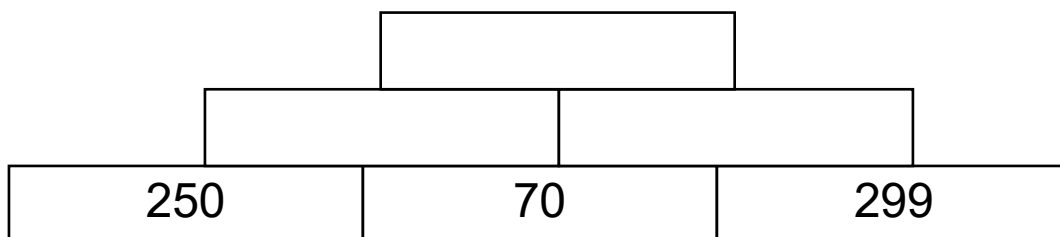
3

Look at this pattern.



To find the number in a rectangle you add the two numbers beneath.

Write the missing numbers.



6 marks

Section 2:

use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy

4 Estimate the answers to these calculation.

Underline the correct estimates.

$$29,719 + 5,109$$

is approximately:

80,000

25,000

35,000

79,000

$$150,118 - 12,910$$

is approximately:

137,000

30,000

20,000

130,000

$$450.7 + 204.08$$

is approximately:

470

2450

250

650

3 marks

Section 3:

add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)

5Calculate $41,925 + 8,084$ Show
your
method

2 marks

6Calculate $37,205 - 4,172$ Show
your
method

2 marks

7Calculate $529 + 4,042 + 312$ Show
your
method

2 marks

solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why

8 Molly buys a sandwich for **£2.65**, a packet of crisps for **80p** and a drink for **£1.10**.

She pays with a **£10** note.



How much change does she get?

Show
your
method

[illegible]

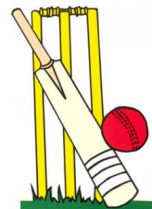
2 marks

9 The children of St Mary's School all play one sport on a Thursday afternoon.

They can choose to play **cricket** or **basketball**.

There are **185** children in the school.

51 girls choose basketball.



Write all this information in the table. Then complete the table.

	boys	girls	Total
cricket	62		
basketball			80
Total			

3 marks

10 The population of five towns in Warwickshire is show below.

town	Nuneaton	Rugby	Leamington Spa	Bedworth	Stratford-upon-Avon
population	70,721	61,988	45,114	32,268	23,676

How many more people live in Nuneaton than live in Bedworth?

Show your method

2 marks

What is the total number of people live in Rugby **and** Leamington Spa?

Show your method

2 marks