Spring Term Assessment



Mathematics

Higher: No calculator allowed Time allowed: 45 minutes

| First name | | | | | |
|---------------|-----|----------|----------|------|--|
| Middle name | | | | | |
| Last name | | | | | |
| Date of birth | Day | Month | | Year | |
| Teacher | | <u>.</u> | <u>.</u> | | |

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The two numbers below add to make the number above.

Complete the addition pyramid.



2 marks













A packet of stickers costs 39p.

Todd wants to buy a packet of stickers for each of his 28 classmates.

Todd only has £10

How much more money does he need?



In the pyramid, the two numbers below add to make the number above.

Fill in the missing numbers.







$$a + b + c$$

$$a = -2$$
 and $b = -3$

Work out the value of c so that the two cards are equal.



Aberdeen

| | | | Bristol | 513 |
|--------|-------|-----------|---------|-----|
| | | Cambridge | 171 | 473 |
| | Dover | 124 | 206 | 595 |
| Exeter | 244 | 250 | 83 | 587 |

Tony travels from Aberdeen to Cambridge and then from Cambridge to Exeter.

How much shorter would Tony's journey have been if he had travelled directly from Aberdeen to Exeter?





6.3 + a = 14.1

a =

1 mark

8*b* = 29.6



1 mark

$$\frac{c}{3}$$
 + 3.5 = 2

| <i>c</i> = | |
|------------|--|
|------------|--|

2 marks



Here is a part-whole diagram.



The two expressions below add to make the expression above.

Complete the part-whole diagram.



2 marks



Noah is carrying out a survey.

He asked each member of his class this question,

"How many school dinners did you have last week?"

The bar chart shows his results.



How many school dinners did Noah's class eat altogether?





$$640 \div A = C$$
$$A \times 0.5 = B$$
$$\sqrt{B} = 4$$

Work out the value of C.





Work out the area of the trapezium.



2 marks

13 Work out

 $3 \times 10^{6} - 2 \times 10^{5}$





| 1. 6 m |
|---------------|
|---------------|

14



The mean of the lengths on the three cards is 2.7 m.

Work out the missing length.





$$\frac{2}{3} + \frac{3}{5} =$$

Give your answer as a mixed number.



2 marks

Here are three identical rectangles.

Part of each rectangle has been shaded.



What fraction of the middle rectangle is shaded?





Work out







2 marks

Simplify



END OF TEST



1 mark

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