

Q1.

Circle the number **nearest to 1000**

1060 1049 1100 960 899

1 mark

Q2.

Circle the number which is **nearest in value to 750**

570 699 810 852 1050

1 mark

Q3.

Circle the number that is **closest to 700**

750 72 651 69 770

1 mark

Q4.

Circle the number **closest** in value to **0.1**

0.01 **0.05** **0.11** **0.2** **0.9**

1 mark

Q5.

Two of these numbers **round to 80**

Circle the **two** numbers.

74 82 77 85

1 mark

Q6.

Circle the number that is **about** the same as the correct answer to $49 + 48$.

Do **not** work out the exact answer.

10 50 40 100 70 200

1 mark

Q7.

Write in the missing numbers.

One has been done for you.

rounded to the nearest
whole number is



6.01



6

9.51



7.75



1 mark

Q8.

Write the number that is nearest to **5000** which uses all the digits **4, 5, 6** and **7**

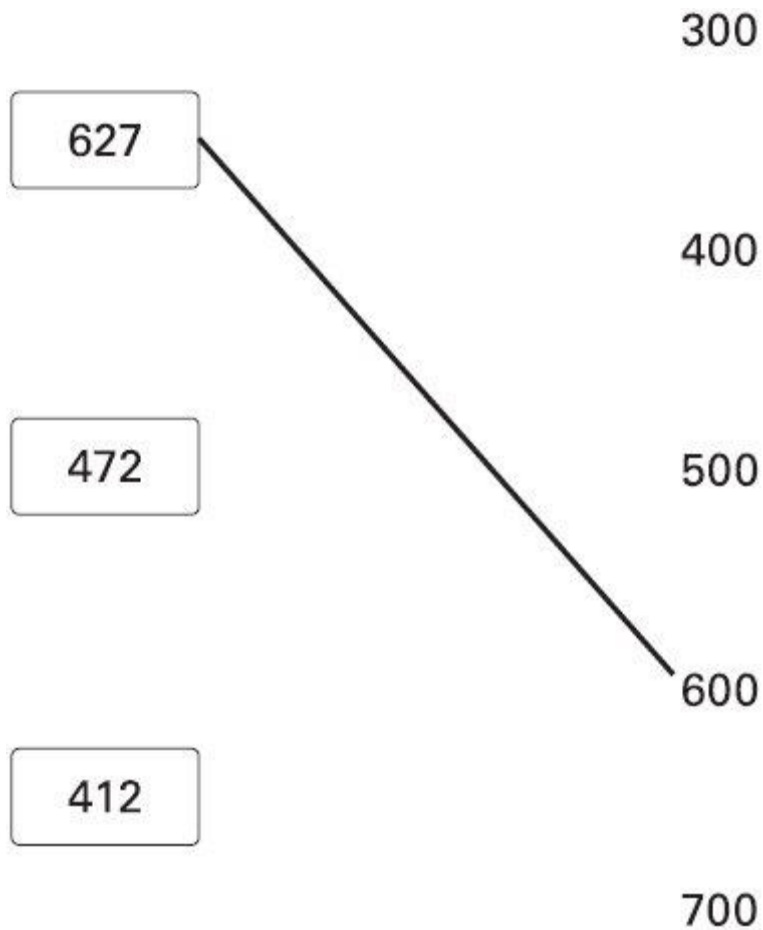
| | | | |
|--|--|--|--|
| | | | |
|--|--|--|--|

1 mark

Q9.

Round each number in a box to the nearest 100

One is done for you.



1 mark

Q10.

Which of these numbers give **80** when **rounded** to the **nearest 10**?

Circle all the correct numbers.

84 87 72 76 90

1 mark

Q11.

Circle the number that is **closest to 250**

261 246 255 209 275

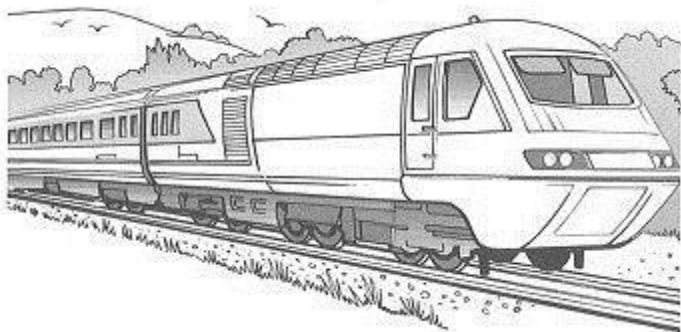
1 mark

Q12.

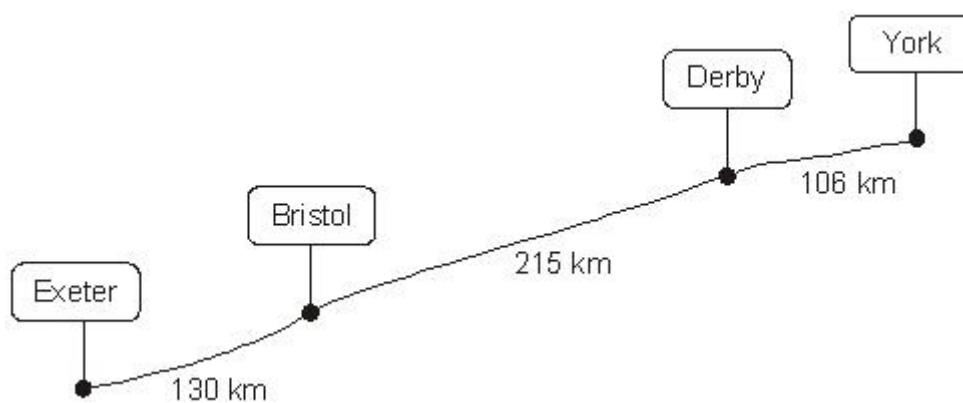
Circle the number that is closest to 300.

338 3030 288 313 130

Q13.



The diagram shows distances on a train journey from Exeter to York.



How many kilometres is it altogether from **Exeter** to **York**?

 km

1 mark

What is the distance from **Derby** to **York** rounded to the nearest 10 km?

 km

1 mark

Q14.

Chen chooses a **prime** number.

He multiplies it by 10 and then rounds it to the nearest hundred.

His answer is **400**.

Write **all** the possible prime numbers Chen could have chosen.

2 marks

Q15.

Complete this table to show the numbers rounded to the **nearest 100**.

One has been done for you.

| | rounded to the nearest hundred |
|--------|--------------------------------|
| 316 | 300 |
| 3162 | |
| 31628 | |
| 316281 | |

2 marks

Q16.

Write in the missing numbers.

| Number | Rounded to the nearest whole number |
|--------|--|
| 5.05 | |
| 5.55 | |
| 4.45 | |
| 4.54 | |

2 marks

Mark schemes

Q1.

1060 1049 1100 **960** 899

Accept alternative indications, eg the number crossed or underlined.

[1]

Q2.

570 **699** 810 852 1050

[1]

Q3.

One number circled as shown:

750 72 **651** 69 770

Do not award the mark if additional incorrect numbers are circled

Accept alternative unambiguous indications, eg ticks, numbers crossed out or underlined.

[1]

Q4.

0.01 0.05 **0.11** 0.2 0.9

Accept unambiguous alternatives, eg the number crossed or underlined.

[1]

Q5.

Two numbers circled as shown:

74 **82** **77** 85

Both numbers must be correct for the award of the mark.

Accept any other clear way of indicating the two correct numbers, such as underlining or ticking.

[1]

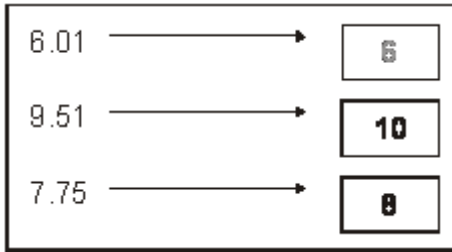
Q6.

100

[1]

Q7.

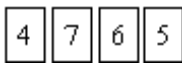
Boxes completed as shown:



Both answers must be correct for the award of the mark.
Do not accept 10.00 **OR** 10.0 **OR** 8.00 **OR** 8.0

[1]

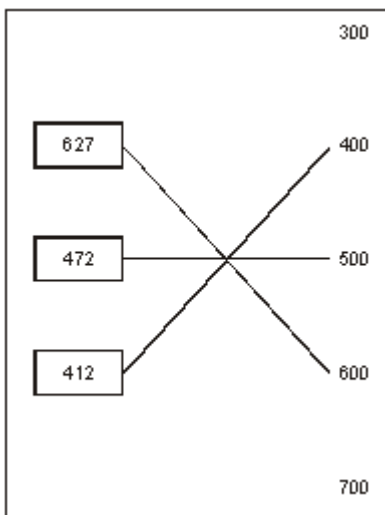
Q8.



[1]

Q9.

The two numbers matched correctly as shown:



Both lines must be drawn correctly for the award of the mark.

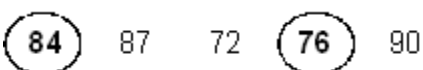
Lines need not touch the boxes or numbers exactly, provided the intention is clear.

Do not accept two or more lines drawn from the same left-hand box.

[1]

Q10.

Two numbers circled as shown:



Do not award the mark if additional incorrect numbers are

circled.

Accept alternative unambiguous indications, eg ticks, numbers crossed or underlined.

[1]

Q11.

One number circled as shown:

261 (246) 255 209 275

Do not award the mark if additional incorrect numbers are circled.

Accept: alternative unambiguous indications, eg numbers ticked, crossed or underlined.

[1]

Q12.

Number circled as shown:

338 3030 (288) 313 130

Accept alternative unambiguous indications.

[1]

Q13.

(a) 451

1

(b) 110

1

[2]

Q14.

Gives only the three correct prime numbers in any order, ie:

• 37, 41, 43

2

or

Gives at least two correct prime numbers **and** not more than one incorrect number, eg:

• 37, 39, 41, 43

• 39, 41, 43

• 41, 43

1

[2]

Q15.

Award **TWO** marks for three numbers correct as shown:

| | rounded to the nearest hundred |
|--------|--------------------------------|
| 316 | 300 |
| 3162 | 3200 |
| 31628 | 31600 |
| 316281 | 316300 |

If the answer is incorrect, award **ONE** mark for two numbers correct.

Up to 2

[2]

Q16.

Award **TWO** marks for all values correct as shown:

| Number | Rounded to the nearest whole number |
|--------|--|
| 5.05 | 5 |
| 5.55 | 6 |
| 4.45 | 4 |
| 4.54 | 5 |

If the answer is incorrect, award **ONE** mark for three numbers correctly rounded.

Up to 2

[2]