

Challenge 1

Q1. Write each of these shapes to the **nearest whole number**.

13.7 is nearest to

$8\frac{3}{8}$ is nearest to

3.38 is nearest to

2 marks

Q2. Draw a line to match each of the four numbers to the nearest hundred.

531

617

253

484

700

200

300

400

500

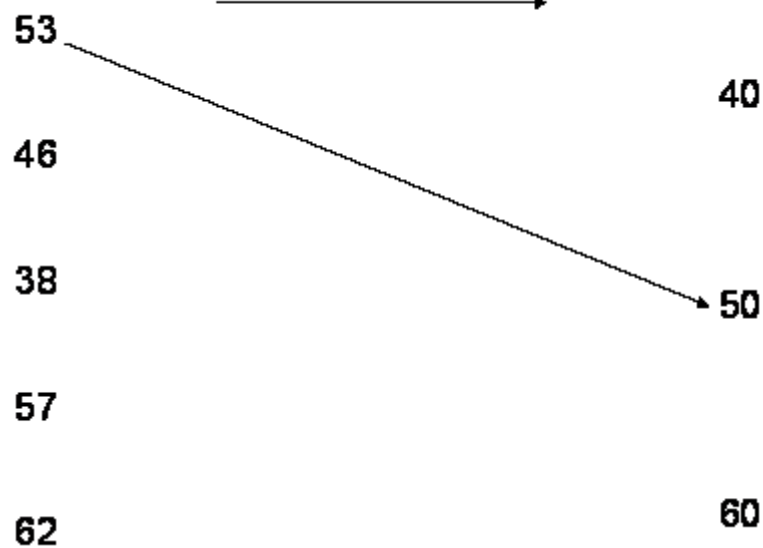
600

2 marks

Q3. Round each number to its nearest 10.

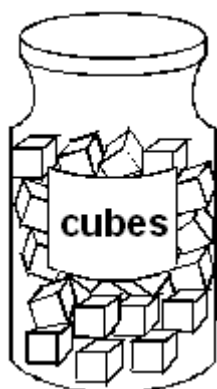
Draw arrows.

to the nearest 10 is



2 marks

Q4. Five children estimated how many cubes were in the jar.



40	46	58	100	164
----	----	----	-----	-----

There were exactly 50 cubes.

Tick (✓) the estimate which was the nearest.

1 mark

Q5. 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

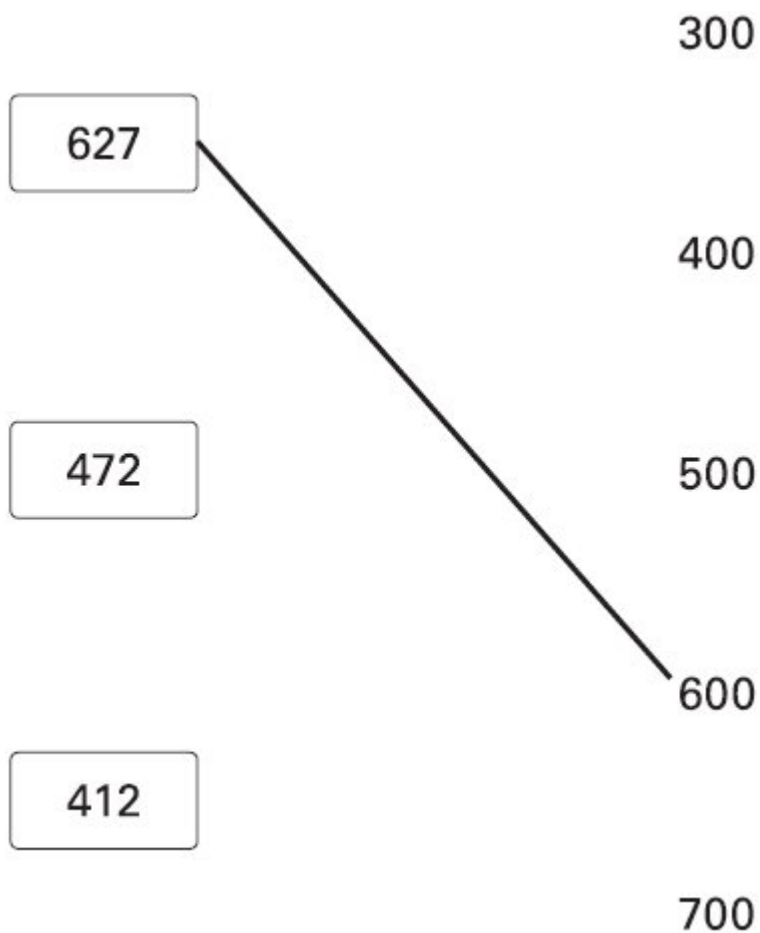
Q6. Circle the number **nearest to 1000**

1060 1049 1100 960 899

1 mark

Q7. Round each number in a box to the nearest 100

One is done for you.



1 mark

Q8. Which of these numbers give **80** when **rounded** to the **nearest 10**?

Circle all the correct numbers.

 84 87 72 76 90

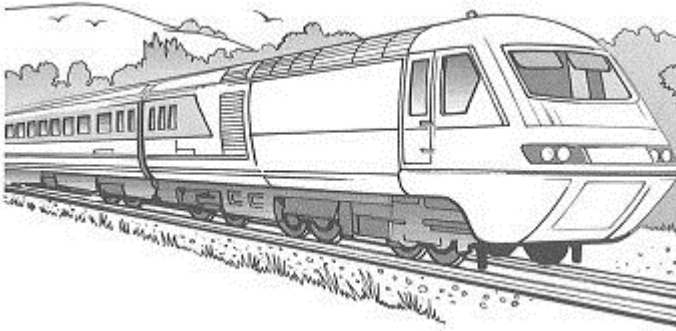
1 mark

Q9. Circle the number that is **closest to 700**

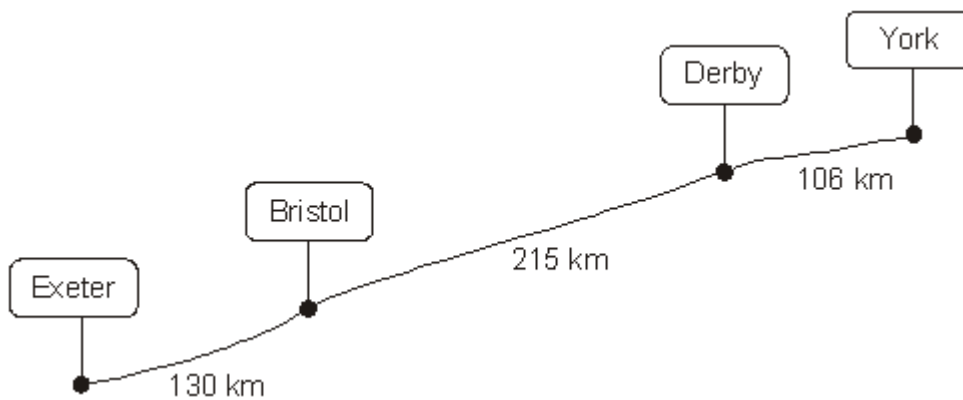
 750 72 651 69 770

1 mark

Q10.



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 10km?



km

1 mark

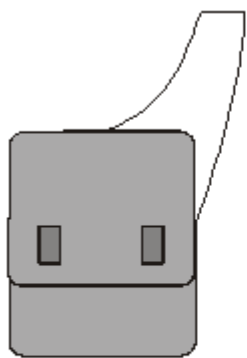
Q11. Circle the number that is **closest to 250**



261 246 255 209 275

1 mark

Q12. Here are three bags in a shop



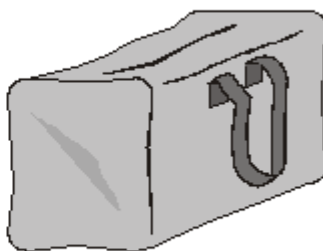
A

£11.50



B

£14.65



C

£16.50

How much does bag B cost to the nearest pound?

£

1 mark

Jamie buys bag A and bag C.

How much change does he get from £40?



Show
your **working**.
You may get
a mark

£

2 marks

Q13. Round the following numbers.



540 to the nearest 100

236 to the nearest 10

$\frac{3}{14}$ to the nearest whole number

2 marks

Q14. Amy chooses two of these cards.

11

23

33

43

She adds the numbers on her two cards together.
She rounds the result to the nearest 10

Her answer is 60

Which two cards did Amy choose?

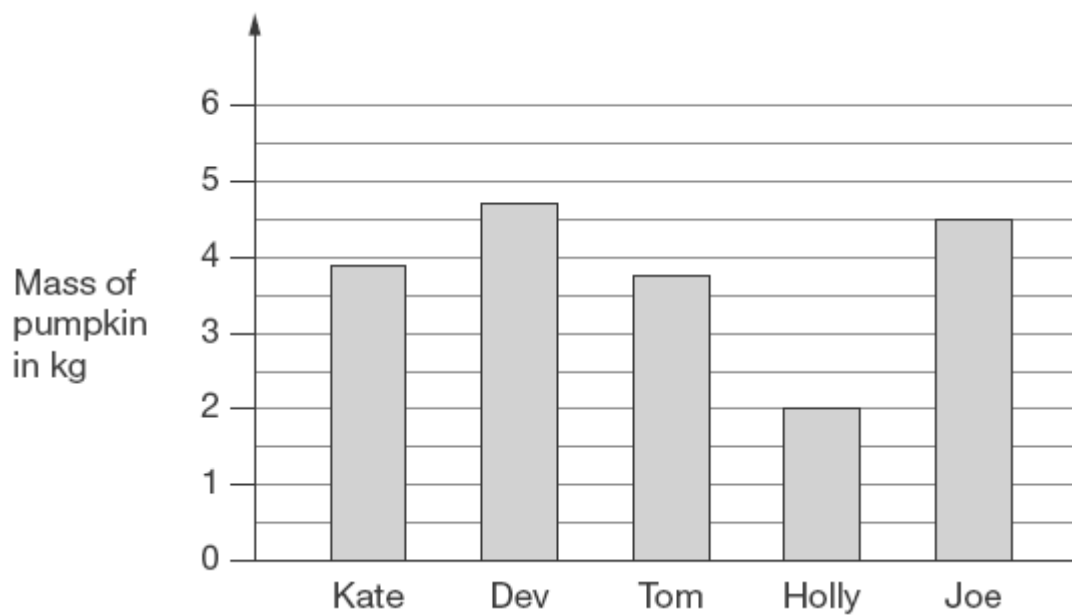
 and

1 mark

Q15. Five children grow pumpkins.



This bar chart shows how heavy their pumpkins are.



How much heavier is Joe's pumpkin than Holly's?

 kg

1 mark

What is the mass of Dev's pumpkin to the **nearest kilogram**?

 kg

1 mark

Q16. Circle the number closest to 100

 70 120 85 111 909

1 mark

Q17. Circle the number which is **closer to 1000**



996 1006

Explain how you know.



1 mark

Q18. Here are five calculations.

A $12 \times 12 - 10$

B $13 \times 13 - 20$

C $14 \times 14 - 40$

D $15 \times 15 - 80$

E $16 \times 16 - 160$

Write the letter of the calculation that has the **greatest** answer.



.....

1 mark

Write the letter of the calculation that has the answer **closest to 100**.



.....

1 mark

Challenge 2

Q1. Draw arrows.

rounded to the nearest **100** is



	3700
1070	
	8200
8225	3600
	1100
3680	8300
	1000

1 mark

Q2. 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

Q3. 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	

Q4. Write in the missing numbers.



Number	Rounded to the nearest whole number
5.05	
5.55	
4.45	
4.54	

2 marks

Challenge 3

Q1. Circle the number **closest** in value to **0.1**



0.01

0.05

0.11

0.2

0.9

1 mark

Q2. Write the answer to each of these calculations rounded to the **nearest whole number**.

One has been done for you.



	To the nearest whole number
75.7×59	4466
$7734 \div 60$	
772.4×9.7	
$20.34 \times (7.9 - 5.4)$	

Q3. Runa and Jon each start with the same number.

Runa rounds the number to the nearest hundred.

Jon rounds the number to the nearest ten.

Runa's answer is double Jon's answer.

Explain how this can be.

A large, empty, cloud-shaped area with a scalloped border, intended for the student to write their explanation.

1 mark