

ROUNDING TO THE NEAREST 10, 100, 1000

GRADE 1

Examination practice questions

You should have:

A ruler, protractor, compasses, a pen, pencil, eraser, calculator.
For some questions, you may need tracing paper.

Instructions

- Use **black** ink or ball-point pen.
- Answer the questions in the spaces provided – *there may be more space than you need.*
- **Calculators may be used.**

Information

- The marks for each question are shown in brackets.
- If the number of marks for two similar questions isn't the same, this is likely due to them being modelled on different specifications. In this case, it is worth considering both mark schemes.
- Use the number of marks for each question as a guide as to how much time to spend on each question. As a rough guide, you can multiply the number of marks by 1.2 to see how many minutes you should spend on a question.
- Questions will generally get more challenging as the document progresses. Some of the latter questions will go beyond the core grade level for this topic.

Advice

- Read each question carefully before you start to answer it.
- Don't forget to have fun.
- Check your answers at the end.

Q1.

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Write down 157 correct to the nearest 10.

160

(1 mark)

Q2.

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Round 356 to the nearest ten.

360

(1 mark)

Q3.

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Write 327 correct to the nearest ten.

330

(1 mark)

Q4.

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The total of £7.30, £15.60 and 87p is £23.77. Write this total correct to the nearest £10.

£20

(1 mark)

Q5.

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Write the number 4637 to the nearest hundred.

4600

(1 mark)

Q6.

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Write 5672 to the nearest 100.

5700

(1 mark)

Q7.

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The table shows the average annual rainfall, in mm, for each of five countries.

Country	Average annual rainfall (mm)
Colombia	3240
Jamacia	2051
Brazil	1761
Japan	1668
France	867

Write the rainfall in Japan correct to the nearest hundred.

1700

(1 mark)

Q8.

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Write the number 65731 correct to the nearest thousand.

66000

(1 mark)

Q9.

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Write the number 66526 correct to the nearest thousand.

67000

(1 mark)

Q10.

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Write 29381 correct to the nearest 1000

29000

(1 mark)

Q11.

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Round 124 531

to the nearest 10 000: 120 000

to the nearest 1 000: 125 000

to the nearest 100: 124 500

(3 marks)

Q12.

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Complete the table.

	Round 39 476
to the nearest 10 000	40 000
to the nearest 1 000	39 000
to the nearest 100	39 500

(3 marks)

Q13.

AtoZrevision.com

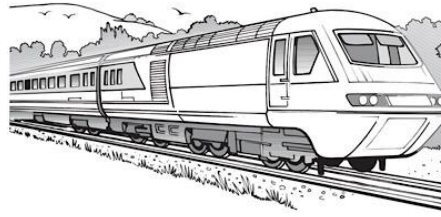
Ali puts these five numbers in their correct places on a number line.

511 499 502 555 455

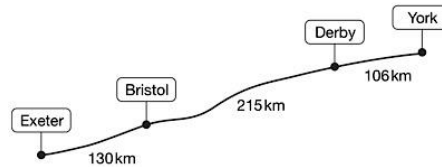
Write the number **closest** to 500.

499

(1 mark)



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



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

110 km

(1 mark)

Lara chooses a **square number**.

She rounds it to the nearest hundred.

Her answer is 200

Write **all** the possible square numbers Lara could have chosen.

169, 196, 225

(1 mark)

The **difference** between two numbers is 2

When each number is rounded to the nearest hundred, the difference between them is 100.

Which of the two numbers below is correct?

51 and 53

51 and 49

49 and 47

99 and 101

M1 for supporting evidence
A1 correct answer

(2 marks)

Q17.

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Dev thinks of a whole number.

He multiplies it by 4

He rounds his answer to the nearest 10

The result is 50

Write all the possible numbers that Dev could have started with.

A1 A1
12 13
..... and

(2 marks)

Q18.

AtoZrevision.com

The table shows the heights of the six highest mountains in the world.

Mountain	Height in metres
Everest	8850
K2	8611
Kangchenjunga	8586
Lhotse I	8516
Makalu I	8463
Cho Oyu	8201

Two numbers in the table when written correct to the nearest hundred give 8500.

Write down these two numbers.

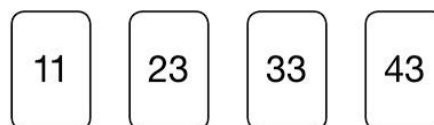
8516 8463
..... and

(2 marks)

Q19.

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Amy chooses two of these cards.



She adds the numbers on her two cards together.

She rounds the result to the nearest 10

Her answer is 60.


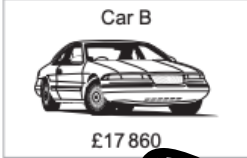
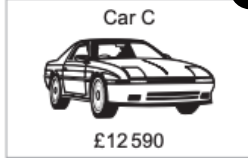
Which **two** cards did Amy choose?

23 + 33

(1 mark)

These cars are for sale.

13400 17900 12600

 <p>Car A £13420</p>	 <p>Car B £17860</p>	 <p>Car C £12590</p>
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The price of each car is rounded to the nearest £100.

Which price changes by the **greatest** amount?

m1 for checking
at least one price change.

Two are!

Car B
.....
A1 (3 marks)

QUESTIONS FROM MATHEMATICAL COMPETITIONS

P , Q and R are the three angles of a triangle, when each has been rounded to the nearest degree.

Which of the following is the complete list of possible values of $P + Q + R$?

Tick the correct answer.

$179^\circ, 180^\circ$ or 181°

$180^\circ, 181^\circ$ or 182°

$178^\circ, 179^\circ$ or 180°

180°

$178^\circ, 179^\circ, 180^\circ, 181^\circ$ or 182°