



GCSE Foundation/Higher 04

Number



Questions



21 minutes



19 marks

Decimals

Q1. A market trader bought 100 loaves at 84p each
60 packs of muffins at £1.10 per pack.

He sold all 100 loaves at £1.20 each
40 of the packs of muffins at £1.60 per pack.

His target is to make 40% profit altogether.
He sells the remaining 20 packs of muffins at a reduced price.

For how much should he sell each of the remaining packs of muffins to meet his target?
You **must** show your working.

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Answer £

(Total 5 marks)

Q2. Given that $25.6 \times 32 = 819.2$

(a) work out $\frac{81.92}{32}$

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Answer

(1)

(b) work out 0.256×320

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Answer

(1)
(Total 2 marks)

Q3. Decide whether each answer is more than 10 or less than 10.
Write MORE or LESS.

10×0.7 Answer

$10 \div 0.7$ Answer

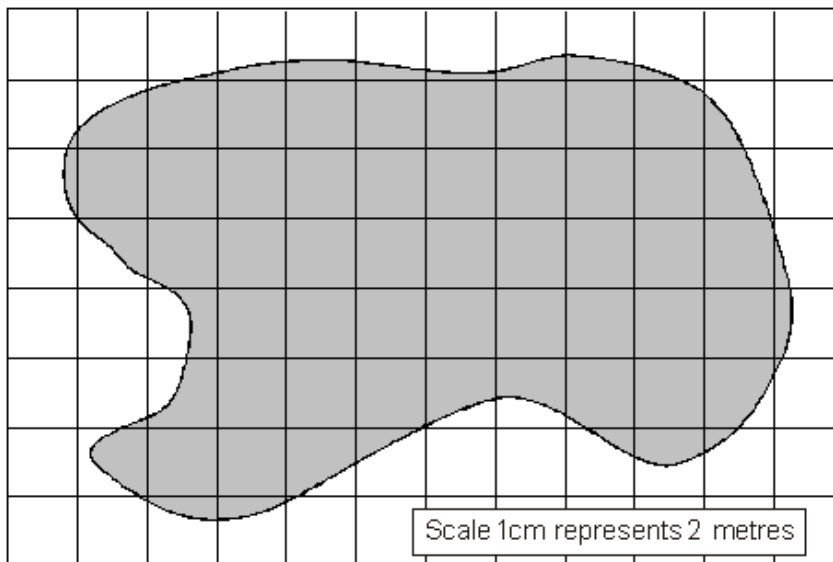
0.1×1000 Answer

$0.1 \div 0.001$ Answer

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(Total 2 marks)

Q4. The diagram shows the plan view of a landfill site on a centimetre grid.



- (a) Estimate the number of shaded squares in the diagram.
You **must** show your working.

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Answer

(2)

- (b) A landscape gardener is going to cover the site with turf (grass).

The table shows the cost of turf for different areas (m²).

Area of turf (m ²)	Cost per square metre
40 - 59	£2.83
60 - 130	£2.33
131 - 240	£2.03
241 - 480	£1.78
481 - 640	£1.53
641 - 960	£1.40
961 - 1440	£1.23

On the diagram one square represents 4m^2 .
 The landscape gardener must buy enough turf to cover the landfill site.

Work out how much he has to pay.
 You **must** show your working.

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Answer £

(3)
 (Total 5 marks)

Q5. Work out $\frac{3.18 + 5.7}{0.3 \times 5.6}$

(a) Write down your full calculator display.

Answer






(1)

(b) Give your answer to one decimal place.

Answer

(1)
 (Total 2 marks)

Q6. Mollie's Cookie Shop sells cookies individually or in bags of 5, 8, 13 or 18.

				
1	5	8	13	18
cookie	cookies	cookies	cookies	cookies
75p	£2.25	£2.99	£3.99	£4.99

What is the cheapest way to buy exactly 50 cookies?
You **must** show your working.

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Answer £

(Total 3 marks)

