

**Percentage GCSE Maths EDEXCEL Past Papers Answers**

1.

10% = 6 6 × 4 = 24	24	2	M1 40 ÷ 100 × 60 oe or any complete method, eg 10% = 6, 6 × 4 A1 cao  SC B1 for 36 or 84
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2.

Working	Answer	Mark	Notes
$\frac{15}{100} \times 400 = 60$ $400 - 60 =$  OR $\frac{85}{100} \times 400$	340	3	M1 for $\frac{15}{100} \times 400 (= 60)$ oe or $40 + 20$ or $400 \times 0.15$ M1 (dep) for $400 - "60"$ A1 for 340 cao OR M1 for $100 - 15 (=85)$ M1 (dep) for $\frac{85}{100} \times 400$ or $'0.85' \times 400$ A1 for 340 [SC: B1 for an answer of 460 if M0 scored]

3.

$10\ 000 \times 0.8$ $8000 \times 0.9 = 7200$  OR $10\ 000 - \frac{20}{100} \times 10\ 000 = 8000$ $8000 - \frac{10}{100} \times 8\ 000$  OR $10\ 000 \times 0.8 \times 0.9$	7200	3	M1 for $10\ 000 \times 0.8 (= 8000)$ M1 (dep) for $"8000" \times 0.9 (= 7200)$ A1 for £7200 cao OR M1 for $10\ 000 - \frac{20}{100} \times 10\ 000$ oe M1 (dep) for $"8000" - \frac{10}{100} \times "8\ 000"$ oe A1 7200 cao OR M1 for $0.8 \times 0.9 (=0.72)$ M1 (dep)for $10\ 000 \times "0.72"$ A1 for 7200 cao [SC: B1 for an answer of 7000 if M0 scored]
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4.

Question	Working	Answer	Mark	Notes
		42	3	M1 for correct method to find 20% of 35 (=7) M1 for correct method to increase 35 by 20% A1 cao

5.

Question	Working	Answer	Mark	Notes
		90	4	M1 for $200 \div 5 (=40)$ M1 for correct method to find 35% of 200 (=70) M1 (dep on M1) for $200 - "40" - "70"$ A1 cao OR M1 for $35\% + 20\% (=55\%)$ M1 for a correct method to find "55%" of 200 (=110) or $100\% - 55\% (=45\%)$ M1 (dep on M1) for $200 - "110"$ or a correct method to find "45%" of 200 A1 cao OR M1 for correct fractions with common denominator $\frac{35}{100} + \frac{20}{100}$ oe M1 for a correct method to find $"\frac{55}{100}"$ oe of 200 (=110) or $1 - "\frac{55}{100}" = "\frac{45}{100}"$ oe M1 (dep on M1) for $200 - "110"$ or a correct method to find " $\frac{45}{100}"$ oe of 200 A1 cao

6.

Question	Working	Answer	Mark	Notes
		350	3	M1 for finding 30% of 500 (=150) M1 dep for subtraction of discount from 500 A1 cao OR M1 for $1 - 0.3 (=0.7)$ M1 dep for $500 \times "0.7"$ A1 cao

7.

	$1.15 \times 2000 (=2300)$ $1.10 \times 2300$	2530	3	M1 for a correct method to find the amount at the end of the first year M1(dep) for a correct method to find the amount at the end of the second year A1 cao
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8.

Question	Working	Answer	Mark	Notes
		132	3	M1 for $0.15 \times 520 (=78)$ or $0.15 \times 360 (=54)$ or for $520 + 360 (=880)$ M1 (dep) for "78" + "54" or for $0.15 \times "880"$ A1 cao

9.

Question	Working	Answer	Mark	Notes
9	$3600 \times 4 = 14400$ $\frac{2}{5} = 40\%$ $\frac{1}{4} = 25$ $30 + 40 + 25 = 95\%$ Saved 5%  $10\% \text{ of } 14400 = 1440$ $5\% \text{ of } 14400 = 1440 \div 2$	£720	5	M1 $3600 \times 4 (= 14400)$ B1 for $\frac{2}{5} = 40\%$ or $\frac{1}{4} = 25$ M1 for $30 + 40 + 25$ or 95 or 5 M1 for complete method to find 5% of 14400 A1 cao or M1 for $3600 \times 4 (= 14400)$ B1 for $30\% = \frac{3}{10}$ oe M1 $\frac{3}{10} + \frac{2}{5} + \frac{1}{4}$ or $\frac{19}{20}$ or $\frac{1}{20}$ M1 for complete method to find $\frac{1}{20}$ of 14400 A1 cao or M1 $3600 \times 4 (= 14400)$ M1 for $0.3 \times 14400$ oe (= 4320) M1 for $\frac{2}{5} \times 14400$ oe (= 5760) M1 $14400 - 3600 - 4320 - 5760$ A1 cao SC if no other marks awarded M1 for $0.3 \times 3600 (= 1080)$ M1 for $\frac{2}{5} \times 3600 (= 14400)$

10.

		120	3	M1 for $80\% = 480$ or $\frac{480}{80} (= 6)$ or $\frac{480}{80} \times 100 (= 600)$ oe M1 for $600 - 480$ or $\frac{480}{80} \times 20$ oe A1 cao
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