EXAM PAPERS PRACTICE

Helping you Achieve Highest Grades in GCSE

GCSE AQA Maths (8300) Higher Tier

Mark Scheme

Fully inlined with first assessment 2026 and suitable for students sitting exams 2026+

Topic - Number

Basic number, fractions and decimals - Higher

Marks: 20

Total Marks: / 20

Topic Test 1 Mark Scheme

Basic number, fractions and decimals - Higher

Q	Answer	Mark	Comments
1	$\frac{1}{5}$	B1	
2	4.1	B1	
3	1.05	B1	
4	3.772	B2	B1 0.4715 × 8 or digits 3772 eg 0.3772
5	$\frac{5}{3}$ (×) $\frac{21}{5}$ or $\frac{105}{15}$ or $\frac{21}{3}$ or $\frac{35}{5}$	M1	Converts both fractions to improper with at least one correct
	7	A1	
6	Any two numbers rounded to 1 significant figure 200, 4 or 0.1	M1	
	200 and 4 and 0.1 or $\frac{800}{0.1}$	M1	
	8000	A1	Must come from $\frac{200}{0.1}$ $\frac{4}{}$

Q	Answer	Mark	Comments
7	$1 - \frac{5}{8}$ or $\frac{3}{8}$ or $1 - \frac{9}{20}$ or $\frac{11}{20}$ or $\frac{5}{8} + \frac{9}{20}$ or $\frac{43}{40}$	M1	oe
	$\frac{9}{20}$ – their $\frac{3}{8}$ or $\frac{5}{8}$ – their $\frac{11}{20}$ or their $\frac{43}{40} - 1$	M1	oe
	$\frac{3}{40}$	A1	oe
8	$240 \div \frac{2}{5}$ or 600	M1	oe 240 ÷ 2 × 3 scores M2
	their 600 – 240 or 360	M1	
	their 360 ÷ 4 or 90	M1	Condone 600 ÷ 4
	270	A1	SC3 450 SC2 150

Q	Answer	Mark	Comments
9	**Alternative method 1**		
	$10x = 2.33....$ and $9x = 2.1$	M1	oe $100x = 23.33...$ and $99x = 23.1$
	$\frac{21}{90}$	M1	oe fraction $\frac{231}{990}$
	$\frac{7}{30}$	A1ft	ft correct simplification of fraction with M1 scored
	Alternative method 2		
	$0.2 + 0.033... = \frac{2}{10} + 0.033...$ and $100x = 3.33...$ and $99x = 3.3$	M1	oe
	$\frac{198}{990} + \frac{33}{990}$ or $\frac{231}{990}$	M1	oe fractions
	$\frac{7}{30}$	A1ft	ft correct simplification of fraction with M1 scored
	Alternative method 3		
	$\frac{2}{10} + \frac{3}{90}$	M1	
	$\frac{18}{90} + \frac{3}{90}$ or $\frac{21}{90}$	M1	
	$\frac{7}{30}$	A1ft	ft correct simplification of fraction with M1 scored
	Alternative method 4		
	$10x = 2.33.... = \frac{7}{3}$	M1	
	$\frac{7}{3} \div 10$	M1	
	$\frac{7}{30}$	A1	