

Paper: 1MA1/1F				
Question	Answer	Mark	Mark scheme	Additional guidance
16 Q1	No and explanation	C1	'No' and explanation with reference to multiplication or division eg No he's incorrect as you would multiply the sides by a number rather than add	

Paper: 1MA1/3F				
Question	Answer	Mark	Mark scheme	Additional guidance
9 (a)	Trapezium	B1	cao	
Q2 (b)	C and D	B1	cao	Accept in either order.

Paper 1MA1: 2F				
Question	Working	Answer	Mark	Notes
21 (a)		3.9	M1	for a ratio of $\frac{8.1}{5.4}$ (= 1.5) oe or $\frac{5.4}{8.1}$ (= 0.66..) oe or $\frac{2.6}{5.4}$ (= 0.48..) oe or $\frac{5.4}{2.6}$ (= 2.07..) oe
Q3			A1	cao
(b)		2.05	M1	for $\frac{5.4}{8.1} \times 6.15$ (= 4.1) or $\frac{2.7}{8.1} \times 6.15$ oe or ft "scale factor" from (a)
			A1	cao

Paper: 1MA1/3F				
Question	Working	Answer	Mark	Notes
21		Shown (supported)	M1	method to divide a pair of corresponding sides, eg $7.5 \div 3$ (= 2.5) or $3 \div 7.5$ (= 0.4), or states scale factor is 2.5 or 0.4 or method to work out the size of an angle,
Q4				eg $\tan^{-1}\left(\frac{7.5}{10}\right)$ (= 36.8 to 36.9)
			C1	shows or states that all sides are enlarged by the same factor or works out a pair of corresponding angles and states that the two triangles have the same angles

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Question	Answer	Mark	Mark scheme	Additional guidance
27 (a)	9.6	M1	for a correct ratio, eg $\frac{12.6}{8.4} (= 1.5)$ or $\frac{8.4}{12.6} (= 0.66..)$ or $\frac{6.4}{8.4} (= 0.76..)$ or $\frac{8.4}{6.4} (= 1.31)$ oe	Decimal equivalents can be truncated or rounded to 2 dp Accept equivalent methods to use a sf eg $\frac{6.4}{2} + 6.4$ (indicative of 1.5)
		A1	cao	
		M1	for $15 \div "1.5"$ or $15 \times "0.66.."$ or ft their ratio from part (a) oe	
A1	cao			
Q5 (b)	10			Award the method mark for any (equivalent) complete method shown.

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Question	Answer	Mark	Mark scheme	Additional guidance
29 (a)	6	M1	for stating a similar triangle relationship eg $\frac{AB}{PQ} = \frac{AC}{PR} = \frac{CB}{RQ}$ or equivalent set of similar triangle expressions or for substitution giving a fraction form for a scale factor eg $\frac{10}{15} \left(= \frac{2}{3} \right)$ or $\frac{15}{10} \left(= \frac{3}{2} \right)$ or $\frac{9}{15} \left(= \frac{3}{5} \right)$ or $\frac{15}{9} \left(= \frac{5}{3} \right)$	Accept any equivalent fractions or decimal equivalents given to at least 2 dp truncated or rounded
		A1	cao	
		P1	for showing understanding of the properties of congruent triangles by finding an unknown length using matching of two sides, eg EG, KG and 6, or HG, FG and 4 .. matching corresponding angles eg HEG with FKG and EHG with KFG	
A1	cao			
Q6 (b)	2			Can be shown by any complete statements that are unambiguous Can be shown in working using algebraic statements, or given by unambiguous marking on the diagram to confirm the relationship.

Paper: 1MA1/3F				
Question	Answer	Mark	Mark scheme	Additional guidance
25 (a)	16	M1	for a ratio of $\frac{20}{5}$ or $\frac{5}{20}$ or 4 or 0.25 or $\frac{5}{4}$ or $\frac{4}{5}$ or 1.25 or 0.8 oe	
		A1	cao	
(b)	5.5	M1	for $22 \times "0.25"$ or $22 \div "4"$ oe	
Q9		A1	oe	