

SHAPES OF SAME AREA

Pearson Edexcel - Tuesday 12 June 2018 - Paper 3 (Calculator) Higher Tier

1.

3	Triangle of area 18	M1 A1	for a complete method to find area of trapezium eg $\frac{1}{2}(2+7) \times 4 (=18)$ OR for a triangle drawn of area 36 OR for a triangle that would give an area fit their area of trapezium for a triangle drawn of area 18 eg base = 6, height = 6 or base = 9, height = 4	The value for the area of the trapezium must be clear for the fit to be checked. Accept use of dimensions that are not whole numbers as long as the intention is clear
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Pearson Edexcel - Monday 14 November 2011 - Paper 4 (Calculator) Higher Tier

2.

7		$\frac{1}{2} \times 8 \times 15 = 60$ $60 \div 12$	5	4	M1 for $\frac{1}{2} \times 8 \times 15 (=60)$ or $12x$ or $12 \times ?$ oe M1(dep) for equating 'area of triangle' to 'area of rectangle' ('areas' must be dimensionally correct) eg. $\frac{1}{2} \times 8 \times 15 = 12x$ or $60 = 12x$ (NB. x may have a numerical value) M1 (indep) for ' $60 \div 12$ ' A1 cao SC : B3 for an answer of 10
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3.