

Week 17 Lesson 2- Conversion Mark scheme

Question	Skills Standard	Process	Mark	Mark Grid	Evidence
Q1	R1	Uses consistent units	1	E	e.g. 1.8 (m) or 1.25 (m) or 0.3 (m) or 5.5 (m) OR 4000 (mm) or 6000 (mm) or 8000 (mm) or equivalent figures in cm May be seen in subsequent working
	R2	Process to find width of glass or works with perimeter	1 or	F	'1.25' - '0.3' (=0.95) oe May be seen in subsequent working OR 1250 + 1800 + 1250 + 1800 (=6100) oe
	A4	Complete process to work with perimeter	2 or	FG	e.g. '0.95' + '0.95' + '1.8' + '1.8' (=5.5m) oe OR '6000' - 1800 - 1800 - '950' - '950' (=500mm) oe
	I6	Correct conclusion with accurate figures	3	FGH	e.g. 6 (m) and 5.5 (m) oe OR 6 (m) and 0.5 (m) (left over) oe NB Allow comparison with any accurate figure e.g. 2500

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Q 2	R3	Uses consistent units	1	N	e.g. 6000(g) OR 0.75(kg) May be seen in subsequent working
	R2	Begins process to work with proportion	1 or	P	e.g. '6000' ÷ 750 (=8 times using recipe) oe OR 45 ÷ 5 (=9 times using recipe) OR '0.75' ÷ 5 (=0.15 kg of tomatoes per bowl) oe OR '6000' ÷ 45 (=13.3.. g of tomatoes per bowl) oe OR Allow complete build up method with 1 error
	A4	Full process to find figures to compare	2 or	PQ	e.g. '8' × 5 (=40 bowls) OR '6000' ÷ 750 (=8 times using recipe) oe AND 45 ÷ 5 (=9 times using recipe) OR '0.75' ÷ 5 (=0.15) and 6 ÷ 45 (=0.133..) (kg toms per bowl) oe OR '9' × '0.75' (=6.75 kg needed) oe OR 6 ÷ '0.15' (=40 bowls) oe OR 45 × '0.15' (=6.75 kg needed)
	I6	Correct conclusion with accurate figures	3	PQR	e.g. No AND 40 (bowls) OR No AND 8 (times) and 9 (times) OR No AND 0.15 (kg) and 0.13(3..) (kg) (of toms per bowl) oe OR No AND 6.75 (kg) OR No AND 6000(g) and 6750(g) OR No AND 750(g) (more needed)

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Q.3	R1	Uses consistent units	1	G	7000(mm) or 0.5(m) OR 700 (cm) and 50 (cm)
	A4	Process to calculate the number of seats in 1 row OR begins to find number of seats needed	1 or	H	'7000' ÷ 500 (=14) o.e. OR 250 ÷ 16(=15.6...) OR 500 × 250 (=125 000)
	R3	Full process to calculate figures to compare	2 or	HJ	'14' × 16(=224) OR '7000' ÷ 500 (=14) and 250 ÷ 16 (=15.6...) OR 250 ÷ 14(=17.87) OR '125000' ÷ 16 (=7812.5)
	I6	Correct decision with accurate figures	3	HJK	No and 224 (seats) OR No and 14 chairs in a row need 15.6 OR No and needs 17.8... (rows) OR No and 7812.5 (mm) (needed and only) 7000 (mm) (available) Award G if K given

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Q 4	R2	Begins to work with area	1 or	E	5 × 8 (=40) OR 25 × 3 (=75) OR Shows at least six 3 by 1 rectangles on the diagram
	A4	Develops solution	2 or	EF	e.g. 5 × 8 (=40) and 25 × 3 (=75) OR '40' × 2 (=80) OR '75' ÷ 2 (=37.5) OR '40' ÷ 3 (=13.3..) OR Shows or implies at least twenty display spaces on the diagram
	A4	Full process to find figures to compare	3 or	EFG	e.g. 5 × 8 (=40) and '75' ÷ 2 (=37.5) OR '40' × 2 (=80) and 25 × 3 (=75) OR '13.3..' × 2 (=26.6..) oe OR Fully correct diagram Condone '80' ÷ 3(=26.66..) or '80' ÷ 25(=3.2)
	I6	Valid decision with accurate figures	4	EFGH	e.g. Yes AND 26 (.6..) OR Yes AND 40 (m ²) and 37.5 (m ²) OR Yes AND 80 (m ²) and 75 (m ²) OR Yes AND 3.2(m ²)