



GCSE Foundation/Higher 18

Shape, space and measure



Mark scheme



35 minutes



29 marks

Measures

M1. Allow embedded solutions, but if contradicted M marks only

(a) Bearing $037^\circ \pm 2$

B1

$290^\circ \pm 2$

B1

Correct intersection of lines

Ignore any x. Within $\frac{1}{2}$ sq of grid intersection

B1

(b) 6 to 6.2 cm

B1

Their 6.1×5

M1

30 to 31

A1

[6]

M2. (a) $72 \times \frac{5}{8}$
 $72 \times 0.625, 72 \div 1.6$

M1

45

A1

(b) 3.5

oe or 210

B1

$\frac{200}{\text{their } 3.5}$

$\frac{200}{\text{their } 210} \times 60$

M1

57.1(4)

A1

Round their answer to 1dp or 0dp

57 or 57.1, or 60 with working

B1 ft

[6]

M3.	10×50 or 500 or 50×7 or 350	M1	[4]
	$(\text{their } 500) \times 7$ or 3500 or $(\text{their } 350) \times 10$	M1	
	$(\text{their } 3500) \div 1000$ or correct conversion $(\text{their } g) \rightarrow kg$	M1	
	3.5 oe	A1	

M4.	(a) 80×1.75 accept 80×1.45 and 80×105	M1	[4]
	140	A1	
	(b) $\{190 - (\text{their } 140)\} \div (2.25 - 1.75)$ Or $(\text{their } 50) \div 0$. Allow $(\text{their } 50)$ in 30 minutes	M1	
	100 ft from their (a)	A1 ft	

M5. (a) $0.12 \times 385 (= 46.2)$

1.12 seen

Build up: $10\% = 385 \div 10 (= 38.5)$

$2\% = (38.5) \div 5 (= 7.7)$

and adds

M1

$385 + \text{their } 46.2$

1.12×385

M1 dep

$431.2(0)$

SC2 Answer 61.6

SC2 Answer 431 with no working

A1

(b) $164 \div 2 \frac{1}{2}$ or $164 \div 2.5$

M1

65.6

Answer of 65 or 66 with no working implies M1

A1

[5]

M6. Time is $\frac{182}{35}$

M1

$= 5.2 \text{ hours}$

5 hours 20 minutes

M1 A1

A1

$= (5 \text{ hours} +) 0.2 \times 60 \text{ min}$

M1

$= 5 \text{ hours } 12 \text{ min}$

A1

[4]

