



GCSE Foundation 07

Number



44 minutes



41 marks

Ratio

M1. 5 - 2 (= 3)

oe

M1

$\frac{210}{\text{their } 3}$ ($\times 5$) or 70 seen

70 seen is M2 but not from 50 + 20

M1 dep

350

SC2 490 or 140

A1

Alternative method

50 : 20

Or equivalent ratio with a bigger difference

M1

350 : 140

M1 dep

350

SC2 490 or 140

A1

[3]

M2. 3 : 5

B1 equivalent of 3 : 5 eg 45 : 75

B1 5 : 3

B1 3 : 8

B2

[2]

M3. 10 \times 6.5 or (£)65 or 6500(p)

M1

90 \times 80 or 7200(p) or (£)72

M1

(120 - 90) \times 40 or 1200(p) or (£)12

M1

their 72 + their 12 - their 65

SP (full) + SP (half) - CP

M1

19

A1

[5]

M4. (a) **B** marked at three parts

0 - - B 1

B1

C marked at 0

B1

(b) $60(^{\circ})$ or $\frac{1}{6}$ seen

± 2 or 60 walk or 50 cycle or 90 bus

B1

$$\frac{360}{\text{their } 60} \times 40$$

oe their 6×40 or $5 \times 40 + 40$

M1

240

Accept integer answer in range [232, 249]

SC2 Non-integer in range [232, 249]

A1 ft

(c) $\frac{90}{360} (\times 252)$ or $\frac{1}{4} (\times 252)$

oe

M1

63

A1

Alternative method

$$40 \times \frac{90}{\text{their } 60} + \frac{252 - \text{their } 240}{4}$$

M1

63

A1

[7]

M5. $24 \div 6$ or 4 seen
 or 4 tablespoons

M1

$75 \times$ their 4 or $60 \times$ their 4 or $175 \times$ their 4
 oe

M1 dep

300 or 240 or 700

A1 ft

300 and 240 and 700 and 4

A1

[4]

M6. 360

B1 for each correct answer

3

SC1 answers incorrect with sight of 3

900

SC1 answers in correct proportion eg 240, 2, 600

B3

[3]

M7. 1200

or 8400 seen

B1

12000

B1

[2]

M8. $12.5 \div 5$ or $16.5 \div 7$
 or 2.5 or 2.3(...) or 2.4
 oe

M1

$12.5 \div 5$ **and** $16.5 \div 7$
 or 2.5 **and** 2.3(...) or 2.4
 or their 2.5×7 or 17.5
 or their 2.3(...) or 2.4×5 or 11.5 - 12 inc

M1

No ticked **and**

$12.5 \div 5 \neq 16.5 \div 7$

or $2.5 \neq 2.3(\dots)$ or 2.4

or $17.5 \neq 16.5$

or $11.5 - 12 \text{ inc} \neq 12.5$

oe eg, the lengths are different

A1

[3]

M9. $7200 \div (2 + 3 + 7)$

M1

Their 600×2 or $\times 3$ or $\times 7$

M1dep

1200, 1800, 4200

All correct

A1

[3]

M10. $200/1.82$

M2 $20370 \times 1.82/194$ or $200 \times 194/1.82$

M1

$20370/194$

M1

their £109.89 – their £105

$200 - \text{their } 191.1(0)$ or $20370 - \text{their } 21318.(68)$

DM1

Japan and £4.89

$8.9(0)$ dollars or $948.(68)$ yen

A1

[4]

M11. $90 \div 30$ or (£)3

M1

25 × their (£)3

M1

75

A1

[3]

M12. Large is 3 times standard

Or standard is $\frac{1}{3}$ large

Price per biscuit 9...p and 8...p

M1

Which costs $3 \times £1.09$

= £3.27 Large is better

Which is £1.05 or £1.06

Large is better

A1

[2]

