

**M1.**

(a)  $240 - 87.5(0)$  or  $152.5(0)$

M1

152.50

A1

(b) **Alternative method 1**

$120 - 87.5(0)$  or  $32.5(0)$

M1

No and  $152.5(0) \neq 2 \times 32.5(0)$

oe

*ft part (a)*

A1ft

**Alternative method 2**

$152.5(0) \div 2 + 87.5(0)$  or 163.75

M1

No and 163.75

oe

*ft part (a)*

A1ft

**[4]****M2.**

$\frac{20}{40} \times 60$  (= 30) or

$\frac{20}{40} \times 120$  (= 60) or

$\frac{20}{40} \times 180$  (= 90)

oe eg 1  $60 \div 2$ eg 2  $60 \div 40$  (= 1.5) **and** their  $1.5 \times 20$ 

M1

$$\frac{15}{20} \times 60 (= 45) \text{ or}$$

$$\frac{15}{20} \times 120 (= 90) \text{ or}$$

$$\frac{15}{20} \times 180 (= 135)$$

oe eg 1  $180 \div 4 \times 3$

eg 2  $60 \div 20 (= 3)$  **and** their  $3 \times 15$

**M1**

their 30 + their 45

**or**

their 60 + their 90

**or**

their 90 + their 135

*dep on at least one M1*

**M1dep**

(Sugar) 75

(Butter) 150

(Flour) 225

*All 3 correct*

*SC2 No working with two correct answers*

*SC1 No working with one correct answer*

**A1**

**Alternative**

$$\frac{20}{40} \text{ and } \frac{15}{20}$$

oe eg 0.5 **and** 0.75

**M1**

$$\text{their } \frac{20}{40} + \text{their } \frac{15}{20} (= \frac{5}{4})$$

oe eg 1.25

**M1**

their  $\frac{5}{4} \times 60 (= 75)$  or

their  $\frac{5}{4} \times 120 (= 150)$  or

their  $\frac{5}{4} \times 180 (= 225)$   
oe eg  $1.25 \times 60$

M1dep

(Sugar) 75  
(Butter) 150  
(Flour) 225

*All 3 correct*

*SC2 No working with two correct answers*

*SC1 No working with one correct answer*

A1

[4]

**M3.** Attempts to process one piece of information

*eg 2 : 9 or 4 : 16*

*0.22... or 0.25*

$\frac{6}{27} = \frac{2}{9}$  or  $\frac{8}{32} = \frac{4}{16}$

$\frac{6}{27} \times 100$  or  $\frac{8}{32} \times 100$

$\frac{24}{108}$  or  $\frac{24}{96}$   $\frac{192}{864}$  or  $\frac{216}{864}$

*or 8 goals in 32 games is 1 goal every 4 games*

$4\frac{1}{2}$  or 4

oe

M1

Writes both pieces of information in a form that allows for comparison

*eg 2 : 9 and 2 : 8*

*0.22 ... and 0.25*

*(1 : 4.5 and 1 : 4 are acceptable)*

$$4\frac{1}{2} \text{ and } 4$$
$$\frac{2}{9} \text{ and } \frac{2}{8} \quad \frac{24}{108} \text{ and } \frac{24}{96}$$
$$\frac{8}{36} \text{ and } \frac{9}{36} \quad \frac{192}{864} \text{ and } \frac{216}{864}$$

oe

A1

Correct decision from their working

*Strand (iii) Dependent on M1*

Q1

[3]