

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 1.5×20

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 3×15

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 1.25×60

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]