

M1.(a) 11

B1

(b) (purple classic =) 10

May be implied by a numerator of 10

$\frac{10}{80}$ or implies M1

M1

$\frac{1}{8}$

SC1 fraction with denominator 80 fully simplified

A1

(c) 14

B1

(d) 17

B1

[5]

M2.(a) 40 or 50 or 35 or 20 or 25

or 17 (coins)

or $16 + \frac{1}{2} + \frac{1}{2}$ (coins)

May be implied

B1

their 40 + their 50 + their 35 + their 20 + their 25

or their 17×10

or their $16 \times 10 + 5 + 5$

or $200 \div 10$

M1

170

or

20 (coins needed)

A1

Correct conclusion based on their total money raised or on their total coins and their coins needed

Strand (iii)

ft correct conclusion based on their values if B1M1 awarded

Q1ft

Alternative Method

40 or 50 or 35 or 20 or 25

May be implied

B1

Total build up method

eg 10, 20, 30, 40, ..., 170

or 40, 90, 125, 145, 170

Allow one error or omission of one coin

M1

170

A1

Correct conclusion based on their total money raised

Strand (iii)

ft correct conclusion based on their total if B1M1 awarded

Q1ft

(b) $70 \div 4$ or $7 + 7 + 3.5$ or 0.25×70
oe

M1

17.50

*Strand (i)**17.5 is M1 Q0*

Q1

[6]

M3.(a) At least four correct frequencies

May be seen in frequency table or implied by bars

M1

Five bars drawn to 1, 1, 10, 3, 5 in any order, but matching the continent labels if given

A1

Frequency axis correctly scaled, starting at 0, with at least two numbers given

Ignore scaling beyond their tallest bar

Must be using a scale of at least 0.5 cm per unit

B1

Correct structure – equal width bars, gaps **and** labels

Strand (ii) Logical organised working

Must have gaps of equal width between bars

Labels may be eg frequency or (number of) concerts

and continent names (may be on bars)

Q1

Additional Guidance

Evidence for the M mark could be found in or around the table, or from the bar heights

Condone bars of different widths for all but the Q mark

If no vertical scale is shown, assume 1 square = 1 concert or $\frac{1}{2}$ square = 1 concert

Vertical line graph can score all but the Q mark

Horizontal or vertical bar chart can score full marks

Allow vertical label to be 'Concerts' or 'Numbers' but not 'Tally'

(b) $\frac{5}{20}$

oe

Accept '5 out of 20' or '1 in 4' for this mark

M1

$\frac{1}{4}$

SC1 for fully simplifying any fraction

A1

[6]

M4.(a) 33

B1

(b)

	Y	N	
W		17	
M			45
	51	29	

B2 Three correct entries

B1 One or two correct entries

B3

[4]

M5.

(a) $\frac{29}{50}$

oe

B1

(b) $\frac{23}{50}$

oe

SC1 *Incorrect but consistent denominator, greater than 29, used in (a) and (b) with correct numerators*

B1

(c) Only has a TV

oe

B1

[3]