

Q1. (2018)

13(b)	$\frac{5}{16}$	B1ft	oe fraction, decimal or percentage ft their table if at least 8 values
	Additional Guidance		
	Answer must match their table, if table blank, accept $\frac{5}{16}$ (oe) for B1		
	5 out of 16, 5 in 16, 5 : 16		B0
	$\frac{5}{16}$ (matches their table) = $\frac{1}{4}$		B1ft (ignore further work)

Q2. (2020)

19 Bags X and Y each contain counters.

Bag X 30 counters Each counter is green, white or yellow	Bag Y 5 counters 3 green and 2 red
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(A)

Q	Answer	Mark	Comments
19(a)	$\frac{2}{5}$ or $\frac{30}{5}$ or $(30 \div 5 =) 6$ or 5×6	M1	oe fraction, decimal or percentage implied by $2 \times \frac{30}{5}$ or 2×6
	12	A1	SC1 18
	Additional Guidance		
	Accept a fully correct ratio build up method: eg 2 : 5, 4 : 10, 6 : 15, 8 : 20, 10 : 25, 12 : 30 with nothing on answer line eg 2 : 3, 4 : 6, 6 : 9, 8 : 12, 10 : 15, 12 : 18 with nothing on answer line		M1A0 M1A0
	$30 \div 5 = 6$ and $30 \div 3 = 10$ and $30 \div 2 = 15$ (choice)		M0A0
	6 must not come from 2×3		

(B)

Q	Answer	Mark	Comments
19(b)	$30 + 3$ or $35 - 2$ or 33 or $(1 -) \frac{2}{35}$	M1	oe
	$\frac{33}{35}$	A1	oe fraction, decimal or percentage
	Additional Guidance		
	Ignore attempts to simplify or convert a correct fraction		
	Ignore probability words		
	Decimals or percentages to 2sf or better		
	Condone 33 out of 35 or 33 in 35 with a correct fraction, decimal or percentage (together on answer line) but do not accept 33 : 35 with a correct fraction, decimal or percentage (together on answer line)		M1A1 M1A0

Q3. (2020)

Q	Answer	Mark	Comments
12(c)	$\frac{17}{50}$ or 0.34 or 34%	B1	oe fraction
	Additional Guidance		
	Ignore attempts to simplify or convert a correct fraction		
	Ignore probability words		
	17 out of 50 or 17 in 50 or 17 : 50 is B0 however, condone 17 out of 50 or 17 in 50 with a correct fraction, decimal or percentage (together on answer line) but do not accept 17 : 50 with a correct fraction, decimal or percentage (together on answer line)		B1 B0

Q4. (2021)

Q	Answer	Mark	Comments
14	$1 - (0.15 + 0.4)$ or $1 - 0.55$	M1	oe
	0.45	A1	oe fraction or percentage SC1 0.81 or 81% or $\frac{81}{100}$
	Additional Guidance		
	Ignore incorrect simplification or conversion of a correct probability eg 0.45 converted to $\frac{4}{5}$		M1A1
	$1 - (0.4 - 0.15)$		M0A0
	0.45 seen as final answer but nothing in table		M1A1
	Subtraction from 1 may be implied eg $0.15 + 0.4 = 0.45$, answer 0.55		M1A0
	Embedded answer eg $0.15 + 0.4 = 0.55$ then $0.55 + 0.45 = 1$		M1A0
	0.45 seen but contradictory value in table – table takes precedence		
	Working in percentages without the percentage sign is condoned for M1		

Q5. (2022)

Q	Answer	Mark	Comments
15	Alternative method 1		
	10×8 or 80	M1	oe 80 may be seen as a denominator
	$\frac{2}{5} \times$ their 80 or 32	M1	oe their 80 can be any integer >10 32 will imply M1M1 and may be seen as a numerator
	their 80 – their 32 – 10 or $\frac{38}{80}$ or their $32 + 10$ or 42	M1dep	oe calculation dep on 2nd M1 42 will imply M1M1M1dep and may be seen as a numerator
	38	A1	
	Alternative method 2		
	10×8 or 80	M1	oe 80 may be seen as a denominator
	$\frac{1}{8} + \frac{2}{5}$ or $\frac{21}{40}$ or $1 - \frac{1}{8} - \frac{2}{5}$ or $\frac{19}{40}$	M1	oe
	their $\frac{21}{40} \times$ their 80 or 42 or their $\frac{19}{40} \times$ their 80	M1dep	oe calculation dep on M1M1 42 will imply M1M1M1dep and may be seen as a numerator
	38	A1	
	Additional Guidance		
	Alt 1 $\frac{2}{5} \times 40 = 15, 40 - 15 - 10 = 15$		M0M1M1depA0
	$\frac{2}{5} \times 40 = 16, 16 + 10$		M0M1M1depA0