

Q1 June 2018

23	3 : 5	P1	for process to find 20% or 120% of the cost, eg 8500×0.2 (= 1700) oe or 8500×1.2 (= 10 200) oe	When partitioning all figures quoted must be correct or a full method shown eg $10\% = 8500 \div 10$ (=850) and $20\% =$ "850" + "850" (=1700)
		P1	for process to find total cost of payments, eg 12×531.25 (= 6375)	
		P1	for complete process to find value of deposit, eg "10 200" – "6375" (= 3825) or $8500 - "6375"$ (=2125) and "2125" + "1700" (=3825) OR the deposit as a proportion of the total cost, eg $1 - \frac{"6375"}{"10200"} (= \frac{3}{8})$	May be seen as a fraction of the total eg $\frac{3825}{10200} (= \frac{3}{8})$
		P1	for finding a correct un-simplified ratio, eg "3825" : "6375" oe or 5:3 or 1.6 : 1 or $\frac{5}{3}$: 1	Figures at this stage must be expressed as part of a ratio eg 51:85, $\frac{3}{8} : \frac{5}{8}$
		A1	Accept 1: 1.6, 1: $\frac{5}{3}$	Ignore consistent units

Q2 June 2019

14	2 : 1	B1	cao
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Q3 June 2020

19	$\frac{3}{10}$	P1	for a process to find three amounts in the correct proportions, eg $R = 1, L = 3 \times 1 = 3, A = 2 \times 3 = 6$, or $R : L : A = \frac{1}{6} : 0.5 : 1$ oe or $L=3R, L=\frac{A}{2}$ or $L=3R, 2L=A$	Relationship could be given in algebraic form or in ratio form, using fractional comparison or using their own figures
		A1	for $\frac{3}{10}$ or equivalent fraction	Award P1 for correct answer not given as a fraction

Q4 June 2020

20	1.75	P1	for an initial process eg $1.80 \div 12$ (=0.15) or $1.80 \div 3$ (=0.6)	Accept $1.8 \div 12 = 15$ (p) They can work in pounds or pence
		P1	for a correct second step eg "0.15" $\div 3$ (=0.05) or "0.6" $\times 7$ (=4.2) or $3 \div "0.15"$ (=20) or $7 \div 3$ (=2.3..) or "0.15" $\times 7$ (=1.05)	
		P1	for finding the price of one pen eg "0.05" $\times 7$ (=0.35) or "4.2" $\div 12$ (=0.35) or $7 \div "20"$ (=0.35) or "2.3...." $\times "0.15"$ (=0.35) or "1.05" $\div 3$ (=0.35)	
		A1	cao	

Q5 June 2023

22	No with reason	C1	for No and valid reason, eg compares $\frac{1}{3}$ with $\frac{1}{2}$ or 16 (with 24) Acceptable examples No, $\frac{1}{3}$ are red not $\frac{1}{2}$ There are 16 red counters (not 24) No as she has used the ratio 1:1 (not 1:2) Incorrect as it is 16 : 32 No as she should divide by 3 (as $1 + 2 = 3$) No as they would both be 24 so it doesn't fit in the ratio 1 : 2 No because $24 + 48 = 72$ Not acceptable examples Yes, ... No as the number of red counters would be lower There is 1 red for every 2 blue
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Q6 Nov 2017

6	(a)		$\frac{3}{7}$	B1	for $\frac{3}{7}$ or equivalent fraction
	(b)		3 : 1	B1	for 3 : 1 or equivalent ratio

Q7 Nov 2017

11		5 : 2 : 10	P1	for process to calculate total for quiz or total of membership fees eg. $13 \times 5 + 35$ (=100), 25×20 (=500)
			P1	for complete process to write (correct) figures as a ratio, eg 250 : 100 : 500 oe in any order (condone inclusion of units or words)
			A1	cao

Q8 Nov 2020

19	$\frac{3}{10}$	P1	for a process to find three amounts in the correct proportions, eg $R = 1$, $L = 3 \times 1 = 3$, $A = 2 \times 3 = 6$, or $R : L : A = \frac{1}{6} : 0.5 : 1$ oe or $L=3R$, $L=\frac{A}{2}$ or $L=3R$, $2L=A$	Relationship could be given in algebraic form or in ratio form, using fractional comparison or using their own figures
		A1	for $\frac{3}{10}$ or equivalent fraction	Award P1 for correct answer not given as a fraction

Q9 Nov 2020

20	1.75	P1	for an initial process eg $1.80 \div 12$ (=0.15) or $1.80 \div 3$ (=0.6)	Accept $1.8 \div 12 = 15$ (p) They can work in pounds or pence
		P1	for a correct second step eg " 0.15 " $\div 3$ (=0.05) or " 0.6 " $\times 7$ (=4.2) or $3 \div "0.15"$ (=20) or $7 \div 3$ (=2.3..) or " 0.15 " $\times 7$ (=1.05)	
		P1	for finding the price of one pen eg " 0.05 " $\times 7$ (=0.35) or " 4.2 " $\div 12$ (=0.35) or $7 \div "20"$ (=0.35) or " $2.3...$ " $\times "0.15"$ (=0.35) or " 1.05 " $\div 3$ (=0.35)	
		A1	cao	

Q10 Nov 2023

10	3 : 5	M1	for 24 : 40 or for any ratio equivalent to 24 : 40 or 5 : 3	
		A1	for 3 : 5	Accept 3 : 5 in the form $n : 1$, eg 0.6 : 1 or 1 : n , eg 1 : 1.66(..)

Q11 Nov 2024

9	3 : 5	M1	for 90 : 150 oe ratio or 5 : 3	eg 30 : 50, 15 : 25, 9 : 15
		A1	cao	Accept 3 : 5 in the form $n : 1$, eg 0.6 : 1 or 1 : n , eg 1 : 1.66(...)