

Q1 june 2017

20		1545	M1 A1	shows a method to find 3% eg $1500 \times 0.03 (=45)$ cao
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Q2 june 2020

17	Conclusion (supported)	P1	for process to find 1/10 of 500 eg. $500 \div 10 (= 50)$ or $1 - 0.1 (= 0.9)$ oe	
		P1	(dep) for process to reduce 500 by 1/10 eg. $500 - "50"$ or $500 \times "0.9" (= 450)$	
		P1	for process to calculate 20% of [Monday sale price] eg. $"450" \times \frac{20}{100} (= 90)$ oe or for use of $100 - 20 (= 80)$ or $1 - 0.2 (= 0.8)$ in relation to [Monday sale price]	
		P1	(dep on P3) for a fully correct process to find the cost of the TV on Tuesday eg. $"450" - "90" (= 360)$ or $"450" \times "0.8" (= 360)$	
		C1	for conclusion (Yes) supported by correct figures.	eg Yes, the TV will cost 360 Yes, he will have 40 over left

Q3 june 2020

24	20	P1	for process to find SP of 24 chocolate bars, eg. $0.50 \times 24 (= 12)$ oe or for process to find the overall profit eg $(24 \times 0.5) - 10 (=2)$ or for process to find CP of one chocolate bar, eg. $1000 \div 24 (= 41.66...)$ oe	Working can be carried out in either pounds or pence.
		P1	(dep) for start to a process to find percentage profit, eg. using $\frac{"12"-10}{10}$ or $\frac{"12"}{10}$ or $\frac{50-"41.66.."}{41.66..}$ oe with consistent units	
		A1	cao	

Q4 june 2022

19	288	M1	for a method to find 20% eg $240 \times 20 \div 100 (= 48)$ or shows a multiplier of 1.2 oe or 120%	
		M1	for a complete method eg $240 + "48"$ or 240×1.2 oe or $240 \times 120 \div 100$	
		A1	cao	

Q5 june 2023

26	1200	M1 A1	for a fully correct method, eg $240 \div 0.2$ or 240×5 oe cao SC B1 for an answer of 960 or 1440 if M0 scored
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Q6 june 2024

27	400	M1 A1	for $280 \div 0.7$ oe cao
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Q7 Nov 2017

Subtopic: Percentage Increase or Decrease

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30		4	M1	for a complete method eg $2.80 \times 100 \div (100-30)$ oe or $2.80 \div 0.7$ oe or for build up method but must show all intermediate steps unless all figures are correct eg $2.8 \div 7 = 0.4$ and $"0.40" \times 10 (=4)$
			A1	cao

Q8 Nov 2018

18	Jan's store (supported)	P1	process to reduce £5 by 20% (= £4) or increase 400 by 30% (= 520)	May work in pence throughout Accept any correct appropriate percentage process
		P1	process to reduce £5 by 20% (= £4) and increase 400 by 30% (= 520)	
		P1	(dep P2) process to find comparable values, eg $400 \div "4"$ and $"520" \div 5$	May use £/g or any other comparable values
		C1	'Jan's store' fully supported by correct comparative values, eg 100 (g/£) and 104 (g/£)	Do not award without correct comparable values and full working.

Q9 Nov 2020

17	Conclusion (supported)	P1	for process to find 1/10 of 500 eg. $500 \div 10 (= 50)$ or $1 - 0.1 (= 0.9)$ oe	
		P1	(dep) for process to reduce 500 by 1/10 eg. $500 - "50"$ or $500 \times "0.9"$ (= 450)	
		P1	for process to calculate 20% of [Monday sale price] eg. $"450" \times \frac{20}{100} (= 90)$ oe or for use of $100 - 20 (= 80)$ or $1 - 0.2 (= 0.8)$ in relation to [Monday sale price]	
		P1	(dep on P3) for a fully correct process to find the cost of the TV on Tuesday eg. $"450" - "90" (= 360)$ or $"450" \times "0.8" (= 360)$	
		C1	for conclusion (Yes) supported by correct figures.	eg Yes, the TV will cost 360 Yes, he will have 40 over left

Q10 Nov 2020

24	20	P1	for process to find SP of 24 chocolate bars, eg. $0.50 \times 24 (= 12)$ oe or for process to find the overall profit eg $(24 \times 0.5) - 10 (= 2)$ or for process to find CP of one chocolate bar, eg. $1000 \div 24 (= 41.66...)$ oe	Working can be carried out in either pounds or pence.
		P1	(dep) for start to a process to find percentage profit, eg. using $\frac{"12"-10}{10}$ or $\frac{"12"}{10}$ or $\frac{50-"41.66.."}{"41.66.."}$ oe with consistent units	
		A1	cao	

Q11 Nov 2021

19	30	M1	for $80 - 56 (= 24)$ or for $\frac{56}{80} \times 100 (= 70)$ or (loss of) $10\% = 80 \div 10 (= 8)$	
		M1	for a complete method, eg $"24" \div 80 \times 100$ or $100 - "70"$ or $(80 - 56) \div "8" \times 10$	
		A1	cao	

Q12 Nov 2021

23	Rahim (supported)	<p>P1 for start to the process to find 20% for Tamara, eg 220000×0.2 oe (= 44000) or 30% for Rahim, eg 160000×0.3 oe (= 48000)</p> <p>OR</p> <p>for $1 - 0.2$ (= 0.8) or $100 - 20$ (= 80) or $1 + 0.3$ (= 1.3) or $100 + 30$ (= 130)</p> <p>P1 for a complete process to find at least one new value, eg $220000 - "44000"$ (= 176 000) or $160000 + "48000"$ (= 208000) OR $220000 \times "0.8"$ (=176000) or $160000 \times "1.3"$ (=208000)</p> <p>A1 for one correct value, 176 000 or 208 000</p> <p>C1 for correct conclusion supported by correct figures eg Rahim, 176 000 and 208 000</p>	<p>Build up processes are acceptable but must be complete and correct</p> <p>Award 0 marks for a correct answer with no supportive working.</p>
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