

# Best Buy Questions

## November 2022 Paper 2

Question	Answer	Mark	Mark scheme	Additional guidance
13	4 pint with correct figures	P1	for a process to find the price for one deal, eg 6 pints on 1 <sup>st</sup> deal, $75 \times 2 (= 150)$ <b>or</b> 8 pints on 2 <sup>nd</sup> deal, $128 \times 1.5 (= 192)$ oe	Accept in mixed units of pence and pounds Might look at a price difference for a consistent number of pints  “4 pint” can be indicated in words or other indication
		P1	for a process to find the price for both deals, eg 6 pints on 1 <sup>st</sup> deal, $75 \times 2 (= 150)$ <b>and</b> 8 pints on 2 <sup>nd</sup> deal, $128 \times 1.5 (= 192)$ oe	
		P1	for a process to find the cost per pint for both deals, eg “150” $\div 6 (= 25)$ <b>and</b> “192” $\div 8 (= 24)$ <b>or</b> for prices for a consistent number of pints for both deals eg for 2 pints “1.5” $\div 3 (= 0.5)$ <b>and</b> “1.92” $\div 4 (= 0.48)$ <b>or</b> a comparison using a unit price eg “150” $\div 6 \times 8 (= 200)$ <b>and</b> $128 \times 1.5 (= 192)$ oe	
		C1	“4 pint” with two correct comparative costs calculated making full use of both offers	

June 2020 Paper 3

Question	Answer	Mark	Mark scheme	Additional guidance
15 (a)	shop A from correct figures	P1	for start of process to find the number of packs needed from at least one shop, eg $30 \div 4 (= 7.5 \text{ or } 8)$ <b>or</b> $30 \div 6 (= 5)$	
		P1	for process to find cost of batteries from at least one shop, eg $(30 \div 4) \times 1.6 (= 12.8 \text{ or } 12)$ <b>or</b> $(30 \div 6) \times 2.7 (= 13.5)$	
		P1	for a complete process to find the cost of batteries from both shops using whole packs eg “8” $\times 1.6 (= 12.8)$ <b>and</b> “5” $\times 2.7 (= 13.5)$	
		C1	for shop A with both 12.8(0) and 13.5(0)	
(b)	No effect (supported)	C1	(ft) for “has no effect” with reason  <b>Acceptable examples</b> No, since A is 12 and B is 13.5(0) No, since A is just 80(p) less and B is the same. No, since A is less and B has not changed. No, since A is 1.5(0) less No, since 40(p) is less than 45(p) No, as batteries in B are 5p more  <b>Not acceptable examples</b> Yes .... There is no change (unsupported) No, since A is less (incomplete)	

# June 2024 Paper 1

Question	Answer	Mark	Mark scheme	Additional guidance																																												
16	Pack of 8 (supported)	P1	<p>for a process (for at least 2 packs) of division of price by quantity eg at least 2 of <math>180 \div 4 (= 45)</math> <b>or</b> <math>320 \div 8 (= 40)</math> <b>or</b> <math>600 \div 12 (= 50)</math></p> <p><b>OR</b> any other process that could lead to a comparison of 2 packs eg <math>180 \times 2 (= 360)</math> <b>or</b> <math>320 \div 8 (= 40)</math> <b>and</b> “40” <math>\times 12 (= 480)</math></p>	<p>Calculations could be in pounds or in pence</p> <table border="1"> <thead> <tr> <th></th> <th>4 pack</th> <th>8 pack</th> <th>12 pack</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0.45</td> <td>0.40</td> <td>0.50</td> </tr> <tr> <td>2</td> <td>0.90</td> <td>0.80</td> <td>1.00</td> </tr> <tr> <td>4</td> <td><b>1.80</b></td> <td>1.60</td> <td>2.00</td> </tr> <tr> <td>8</td> <td>3.60</td> <td><b>3.20</b></td> <td>4.00</td> </tr> <tr> <td>12</td> <td>5.40</td> <td>4.80</td> <td><b>6.00</b></td> </tr> <tr> <td>16</td> <td>7.20</td> <td>6.40</td> <td>8.00</td> </tr> <tr> <td>24</td> <td>10.80</td> <td>9.60</td> <td>12.00</td> </tr> </tbody> </table> <p>Condone incorrect units.</p> <p>Pairwise comparison are possible, but check to see that this allows for a decision to be made. Check process.</p> <p>Assuming correct figures found:</p> <table border="1"> <thead> <tr> <th colspan="2">Comparisons</th> <th>Conclusion possible</th> </tr> </thead> <tbody> <tr> <td>4 vs 8</td> <td>8 vs 12</td> <td>Yes</td> </tr> <tr> <td>4 vs 8</td> <td>4 vs 12</td> <td>Yes</td> </tr> <tr> <td>4 vs 12</td> <td>8 vs 12</td> <td>No</td> </tr> </tbody> </table> <p>Correct answer with no supportive working scores 0 marks.</p> <p>Do not allow A mark where inconsistent units would prevent comparison e.g. 0.40p and 45p</p>		4 pack	8 pack	12 pack	1	0.45	0.40	0.50	2	0.90	0.80	1.00	4	<b>1.80</b>	1.60	2.00	8	3.60	<b>3.20</b>	4.00	12	5.40	4.80	<b>6.00</b>	16	7.20	6.40	8.00	24	10.80	9.60	12.00	Comparisons		Conclusion possible	4 vs 8	8 vs 12	Yes	4 vs 8	4 vs 12	Yes	4 vs 12	8 vs 12	No
	4 pack	8 pack	12 pack																																													
1	0.45	0.40	0.50																																													
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		P1	<p>for a complete process to give values that can be used for comparison of all 3 packs eg <math>180 \div 4 (= 45)</math> <b>and</b> <math>320 \div 8 (= 40)</math> <b>and</b> <math>600 \div 12 (= 50)</math></p> <p><b>OR</b> <math>3.20 \div 8 (= 0.40)</math> <b>and</b> “0.40” <math>\times 4 (= 1.60)</math> <b>and</b> “0.40” <math>\times 12 (= 4.80)</math></p> <p><b>OR</b> <math>1.80 \times 6 (= 10.80)</math> <b>and</b> <math>3.20 \times 3 (= 9.60)</math> <b>and</b> <math>6.00 \times 2 (= 12.00)</math></p>																																													
		A1	<p>for ‘pack of 8’ and correct values that can be used to compare all 3 packs</p>																																													

November 2024 Paper 2

Question	Answer	Mark	Mark scheme	Additional guidance
22	Zurich (supported)	P1	for one process to compare, eg eg Currency conversion, $3.5 \times 1.25 (= 4.375)$ <b>or</b> $7.20 \div 1.25 (= 5.76)$ <b>or</b> finds 1g in one place $\pounds 3.50 \div 200 (= 0.0175)$ <b>or</b> $7.20 \div 360 (= 0.02)$ <b>or</b> finds 200g in Zurich, $7.2 \div 360 \times 200 (= 4.0)$ <b>or</b> finds 360g in London, $3.5 \div 200 \times 360 (= 6.30)$ <b>or</b> finds grams per unit cost, $200 \div 3.50 (= 57.1..)$ <b>or</b> $360 \div 7.20 (= 50)$	Accept figures rounded or truncated to 2sf throughout
		P1	for a complete process to find comparable figures in the same currency, eg comparing 200g in £ or francs $3.5 \times 1.25 (= 4.375)$ <b>and</b> $7.2 \div 360 \times 200 (= 4.0)$ <b>or</b> “4.0” $\div 1.25 (= 3.20)$  <b>OR</b> comparing 360g in £ or francs “6.30” $\times 1.25 (= 7.875)$ <b>or</b> $3.5 \div 200 \times 360 (= 6.30)$ <b>and</b> $7.20 \div 1.25 (= 5.76)$  <b>OR</b> comparing 1g in £ or francs “0.0175” $\times 1.25 (= 0.0218..)$ <b>and</b> $7.20 \div 360 (= 0.02)$ <b>or</b> $\pounds 3.50 \div 200 (= 0.0175)$ <b>and</b> “0.02” $\div 1.25 (= 0.016)$  <b>OR</b> comparing quantity per unit cost in £ or francs $200 \div 3.50 (= 57.1..)$ <b>and</b> $360 \div “5.76” (= 62.5)$ <b>or</b> $200 \div “4.375” (= 45.7..)$ <b>and</b> $360 \div 7.20 (= 50)$	Accept working in pence Ignore incorrect units for P marks Award of this mark implies the previous mark
		C1	for Zurich supported by correct comparable values, eg 4.3(75 F) <b>and</b> 4(.0 F) <b>or</b> (£)3.2(0) <b>or</b> 7.8(75 F) <b>or</b> (£)6.3(0) <b>and</b> (£)5.76 <b>or</b> 0.021(8... F) <b>and</b> 0.02 (F) <b>or</b> (£)0.017(5) <b>and</b> (£)0.016 <b>or</b> 57(.1... g/£) <b>and</b> 62(.5 g/£) <b>or</b> 45(.7... g/F) <b>and</b> 50 (g/F)	Clear indication that bar is better value for money in Zurich supported by correct values for comparison Units not needed but if stated must be correct. Table with examples at end of mark scheme

June 2022 Paper 3

Question	Answer	Mark	Mark scheme	Additional guidance
25	Chic Decor (supported)	<p>P1</p> <p>P1</p> <p>P1</p> <p>C1</p>	<p>for process to find cost of 15 rolls from Chic Decor, eg <math>\frac{15}{3} \times 36 (= 180)</math></p> <p>or</p> <p>for process to find cost of 15 rolls from Style Papers at normal price, eg <math>\frac{15}{5} \times 70 (= 210)</math></p> <p>or</p> <p>for process to find cost of 1 roll from Chic Decor, eg <math>36 \div 3 (= 12)</math></p> <p>or</p> <p>for process to find cost of 1 roll from Style Papers, eg <math>70 \div 5 (= 14)</math></p> <p>or</p> <p>for process to find the cost of 5 rolls from Chic Decor, eg <math>\frac{36}{3} \times 5 (= 60)</math></p> <p>for any first step in using the discount at Style Papers, eg <math>0.12 \times "210" (= 25.2(0))</math> or <math>0.12 \times "14" (= 1.68)</math> or <math>0.12 \times 70 (= 8.4(0))</math>  <b>or</b> <math>1 - 0.12 (= 0.88)</math></p> <p>for full process to find cost from Style Papers, eg. <math>"210" - "25.2" \text{ oe } (=184.8(0))</math> or <math>"0.88" \times "210"</math></p> <p>or for <math>"14" - "1.68" \text{ oe } (= 12.32)</math> or <math>"0.88" \times "14"</math></p> <p>or for <math>70 - "8.4(0)" \text{ oe } (= 61.6(0))</math> or <math>"0.88" \times 70</math></p> <p>for Chic Decor with fully correct figures  eg 180 and 184.8(0)  or 12 and 12.32  or 60 and 61.6(0)</p>	<p>Could compare the costs for any number of rolls</p>

## June 2022 Paper 2

Question	Answer	Mark	Mark scheme	Additional guidance
27	No (supported)	P1  P1  P1  C1	for a conversion with litres and gallons, eg $18 \div 4.5 (= 4)$ or $8 \times 4.5 (= 36)$  for a conversion with £ and euros, eg $27 \times 0.85 (= 22.95)$ or $40.8 \div 0.85 (= 48)$  for finding the unit price, eg $27 \div 18 (= 1.5)$ <b>OR</b> finding proportionality for fuel eg (" $36$ " $\div 18$ ) (= 2)  for No with comparative figures, eg No with 20.4 <b>and</b> 22.95 <b>or</b> No with 1.275 <b>and</b> 1.133..	See page at end of mark scheme    May compare cost per gallon or cost in euros May be seen in a calculation or given in a description Accept comparative figures rounded or truncated No is implied by eg Wales is cheaper