

Question	Answer	Mark	Mark scheme	Additional guidance																																												
16	Pack of 8 (supported)	<p>P1</p> <p>P1</p> <p>A1</p>	<p>for a process (for at least 2 packs) of division of price by quantity eg at least 2 of $180 \div 4 (= 45)$ or $320 \div 8 (= 40)$ or $600 \div 12 (= 50)$</p> <p>OR any other process that could lead to a comparison of 2 packs eg $180 \times 2 (= 360)$ or $320 \div 8 (= 40)$ and “40” $\times 12 (= 480)$</p> <p>for a complete process to give values that can be used for comparison of all 3 packs eg $180 \div 4 (= 45)$ and $320 \div 8 (= 40)$ and $600 \div 12 (= 50)$ OR $3.20 \div 8 (= 0.40)$ and “0.40” $\times 4 (= 1.60)$ and “0.40” $\times 12 (= 4.80)$ OR $1.80 \times 6 (= 10.80)$ and $3.20 \times 3 (= 9.60)$ and $6.00 \times 2 (= 12.00)$</p> <p>for ‘pack of 8’ and correct values that can be used to compare all 3 packs</p>	<p>Calculations could be in pounds or in pence</p> <table><tr><td></td><td>4 pack</td><td>8 pack</td><td>12 pack</td></tr><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>1.80</td><td>1.60</td><td>2.00</td></tr><tr><td>8</td><td>3.60</td><td>3.20</td><td>4.00</td></tr><tr><td>12</td><td>5.40</td><td>4.80</td><td>6.00</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></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. Assuming correct figures found:</p> <table><tr><td colspan="2">Comparisons</td><td>Conclusion possible</td></tr><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></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	1.80	1.60	2.00	8	3.60	3.20	4.00	12	5.40	4.80	6.00	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
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