

| Question | Answer | Mark | Mark scheme | Additional guidance |
|----------|----------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| 12 (a) | No with reason | C1 | <p>No with reason</p> <p>Acceptable examples</p> <p>It's 10% of the original price, not 10% of 440</p> <p>He found the percentage of the new amount not the original amount</p> <p>He found 10% of the increased value</p> <p>The original price is £400</p> <p>100% is £400 / 100% is not £440 / 110% is £440</p> <p>10% is £40 / 10% is not £44 / 11% is £44</p> <p>99% is 396</p> <p>10% of 396 is 39.6(0)</p> <p>110% of 396 is 435.6(0)</p> <p>He should have divided by 1.1</p> <p>Not acceptable examples</p> <p>No, 440 minus 10% is not 396</p> <p>100% is not £396</p> <p>£440 is the price after the increase / The original price is not £440</p> <p>He has to find 90% of 440</p> <p>He has to find 110% of 440</p> <p>It should be £484</p> <p>Jim is correct / Yes</p> | |

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| (b) | 160 | <p>P1</p> <p>P1</p> <p>A1</p> | <p>for process to find the number sold in November, eg $180 \div 150 \times 100$ or $180 \div 1.5 (= 120)$ oe</p> <p>or for $0.75 \times 1.5 (= 1.125)$ oe or for $75 \times 1.5 (= 112.5)$ oe</p> <p>for a process to find the number sold in October, eg “120” $\div 75 \times 100$ oe eg “120” $\div 0.75$ or $180 \div “1.125”$ oe eg $180 \div “112.5” \times 100$ or [value] $\div 0.75$ oe</p> <p>cao</p> | <p>[value] can be any value they believe to be the number of bikes sold in November or 180</p> |
| 12 | E G D H | D2 | 6 = 6 + 11 = 17 | |