

Trial and Improvement

Workout

Question 1:

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|-------------|-------------|---------------|
| (a) 7 and 8 | (b) 4 and 5 | (c) 10 and 11 |
| (d) 4 and 5 | (e) 6 and 7 | (f) 8 and 9 |

Question 2:

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|----------|---------|---------|
| (a) 7.8 | (b) 9.3 | (c) 1.6 |
| (d) 11.4 | (e) 8.2 | |

Question 3:

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| (a) 7.7 | (b) 4.4 | (c) 8.4 |
| (d) 6.6 | (e) 3.2 | (f) 5.4 |
| (g) 7.2 | (h) 4.6 | |

Question 4:

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|----------|----------|---------|
| (a) 4.2 | (b) 9.8 | (c) 7.1 |
| (d) 1.73 | (e) 5.63 | |

Apply

Question 1:

$x=6.8\text{cm}$

Question 2:

$x=7.3\text{cm}$

Question 3:

The x value for $3x$ is remaining as 2 each time instead of substituting in the new value. E.g. when $x=3$ the equation remains as $3^3+3(2)$ whilst it should be $3^3+3(3)$.