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Practice Questions

Lesson: Understand equations using a number line
Lesson Link: http://learnzillion.com/lessons/3770 **Standard:** 6.EE.5
Name _____

1. Use substitution to figure out which of these values (9, 12, 13, 15) is the solution for the equation: 29 + x = 41

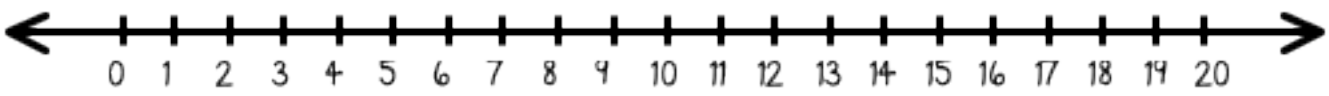
2. Which number is a solution for the equation 12.50 - x = $4.25 ($6.50, $8.25, $10.25, $12.75)?

3. In the equation, 6h = 48, solve to find the value of h. Use the following possible solutions (9, 6, 7, 8) Provide proof for your selection.

Answer: _____

Proof:

4. Amy says the solution to x + 7 = 12 is 6. Do you agree or disagree with her? Justify your answer using a number line.



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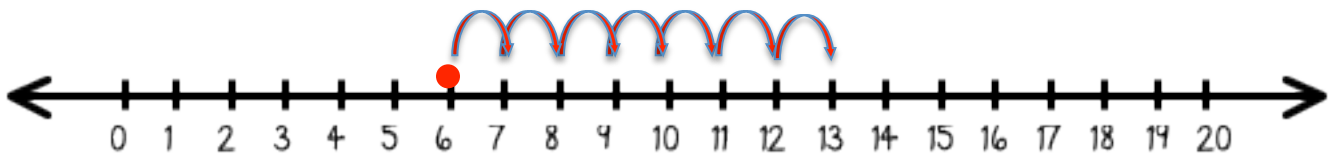
Answer Key
1. Use substitution to figure out which of these values (9, 12, 13, 15) is the solution for the equation: 29 + x = 41 12
2. Which number is a solution for the equation 12.50 - x = $4.25 ($6.50, $8.25, $10.25, $12.75)? $8.25
3. In the equation, 6h = 48, solve to find the value of h. Use the following possible solutions (9, 6, 7, 8) Provide proof for your selection. Answer: h = 8 Proof: 6 • (9) = 54, 6 • (6) = 36, 7 • (6) = 42, 6 • (8) = 48
4. Amy says the solution to x + 7 = 12 is 6. Do you agree or disagree with her? Justify your answer using a number line.      The red dot shows that the beginning value is 6. Each arrow represents one value. When 7 more is added, the answer is 13, not 12.