

1.13 Translating Algebraic Equations 1

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Solve.

1) Ben sold his used snow plow and accessories for \$352. If he received seven times as much money for the snow plow as he did for the accessories, find how much money he received for the snow plow. 1) _____

- A) \$308 B) \$54 C) \$2464 D) \$44

2) A number less 24 is -1. Find the number. 2) _____

- A) 23 B) 25 C) -25 D) -23

3) The product of 8 and a number is the same as 40 less twice that same number. Find the number. 3) _____

- A) 4 B) 20 C) -20 D) -4

Write the sentence as an equation. Use x to represent "a number."

4) A number added to -19 is equal to -21. 4) _____

- A) $-19 - 21 = x$ B) $-19 + x = -21$ C) $x - 21 = -19$ D) $x = -19 + 21$

5) Seven times the difference of 13 and a number gives -7. 5) _____

- A) $7(x - 13) = -7$ B) $7(13) - x = -7$ C) $7x - 13 = -7$ D) $7(13 - x) = -7$

6) Six times a number yields 48. 6) _____

- A) $6 + x = 48$ B) $\frac{6}{x} = 48$ C) $x^6 = 48$ D) $6x = 48$

7) The quotient of 24 and a number is 4. 7) _____

- A) $\frac{24}{x} = 4$ B) $24x = 4$ C) $24 - x = 4$ D) $\frac{x}{24} = 4$

8) Seven subtracted from twice a number gives 17. 8) _____

- A) $7(2 - x) = 17$ B) $2x - 7 = 17$ C) $2(x - 7) = 17$ D) $7 - 2x = 17$

9) Eight times the sum of a number and -192 gives 96. 9) _____

- A) $8 + x + (-192) = 96$ B) $x + 8(-192) = 96$
 C) $8x + (-192) = 96$ D) $8[x + (-192)] = 96$

10) Ten subtracted from a number yields 15. 10) _____

- A) $10 - x = 15$ B) $x - 10 = 15$ C) $15 - 10 = x$ D) $10 + x = 15$

Answer Key

Testname: 1.13 TRANSLATING ALG EQUATIONS 1

- 1) A
- 2) A
- 3) A
- 4) B
- 5) D
- 6) D
- 7) A
- 8) B
- 9) D
- 10) B
- 11) D
- 12) D
- 13) D
- 14) C
- 15) D