

Algebra I

4.5 Worksheet #5

Solving Equations with Percents

NAME: _____

DATE: _____ HOUR: _____

Translate each statement into an equation then solve. Show your work. Box your solutions. Check your solutions when solving for a or b .

Solving for a :

1. $a\%$ of 65 is 13

2. $a\%$ of 9 is 45

3. $a\%$ of 800 is 88

Solving for b :

4. 25% of b is 70

5. 40% of b is 145

6. 15% of b is 135

Solving for c :

7. 10% of 38 is c

8. 15% of 26 is c

9. 5% of 5.1 is c

10. 63% of 40 is c

11. 12% of 57 is c

12. 0.6% of 800 is c

Translate each statement into an equation then solve. Show your work. Box your solutions. Check your solutions when solving for a or b .

1. $a\%$ of 40 is 2.8

2. 25% of b is 45

3. $a\%$ of 90 is 63

4. 25% of b is 52

5. 3% of 14 is c

6. 15% of b is 75

7. $a\%$ of 8 is 24

8. 1.5% of 20 is c

9. $a\%$ of 14 is 10.92

10. 2% of 49 is c

11. $a\%$ of 5 is 0.8

12. 2.5% of b is 2.1