Unit 4 Pretest Name: _____

Part 1 **Show ALL Work** Hr: 1 2 3 4 5 6 7

1. Solve the equation.

$x + 1.8 = 7.3$

$-1.8 \quad -1.8$

$x = 5.5$

a. 11.1
b. 7.5
c. 10.1
d. 5.5

2. Solve the equation.

$s - 9 = 52$

$+9 \quad +9$

$s = 61$

a. 48
b. 57
c. 47
d. 61

3. Solve the equation.

$12 = 6 + x$

$-6 \quad -6$

$6 = x$

4. Solve the equation.

$15 = t - 3$

$+3 \quad +3$

$18 = t$

5. Solve the equation.

$\frac{y}{6} = 8(6)$

$y = 48$

a. $\frac{8}{6}$
b. $\frac{6}{8}$
c. 48
d. 63

6. Solve the equation.

$8p = 96$

$\frac{8p}{8} = \frac{96}{8}$

$p = 12$

a. 12
b. 14
c. 768
d. 769

$8\overline{)96}$ → -8, 16, -16, 0 → 12

7. Solve the equation.

$\frac{x}{11} = 7(11)$

$x = 77$

8. Solve the equation.

$8v = 520$

$\frac{8v}{8} = \frac{520}{8}$

$v = 65$

$8\overline{)520}$ → -48, 40, -40, 0 → 65

9. You buy several posters. The total cost is $16.95. You have $5.05 left over after the purchase. Write an equation to find out how much money you had before the purchase. Then solve the equation.

$x - 5.05 = 16.95$

$+5.05 \quad +5.05$

$x = \$22.00$

or

$x - 16.95 = 5.05$

$+16.95 \quad +16.95$

$x = \$22.00$

Unit 4 Test
Part 1

Name: _____

Hr: 1 2 3 4 5 6 7

10. You pay for refreshments at the movie theater with a $20 bill. The refreshments cost a total of $14.78. Write an equation to find out how much change you should receive. Then solve the equation.

Total

$14.78 + x = $20.00

-14.78 -14.78

5.22

x = $5.22

11. A video store charges the same price to rent each movie. The store collected a total of $83.72 for 28 rentals. Write an equation to find out what the store charge for each movie rental. Then solve the equation.

Total

28x = $83.72

28 28

x = $2.99

2.99
28 | 83.72
-56
277
252
252
-252
0

12. An egg carton holds 12 eggs. One day a farmer gathered 8,532 eggs. Write an equation to figure out how many cartons the farmer will need to package all the eggs. Then solve the equation.

Total

12x = 8,532

12 12

x = 711 cartons

711
12 | 8532
-84
13
12
12

13. **Identify an equation that models the situation and find its solution.** A tomato plant was 5 inches tall when it was planted in June. When the first tomatoes were ripe, the plant was 43 inches tall. How many inches did the plant grow? Show all work.

a. z-5 = 43, z = 50 in.
b. 5 + z = 43, z = 39 in.
c. 5 + z = 43, z = 38 in.
d. z - 5 = 48, z = 49 in.

Total

5 + x = 43 in

-5 -5

x = 38in.

14. Mrs. Carson ordered 4 computers for her classroom. Each computer costs the same amount. She spent a total of ~~$1582~~ $1462. First, choose the equation that can be used to find the amount, x, in dollars, that Mrs. Carson spent on each computer. Then, choose the solution to the equation.

Select one equation

$x + 4 = 1462$

$4x = 1462$

$x - 4 = 1462$

$\frac{x}{4} = 1462$

4x = 1462

4 4

Select one answer

$x = 365.50$

$x = 1458.00$

$x = 1462.00$

$x = 5848.00$

x = $365.50

365.5
4 | 1462.0
12
26
24
22
20
20