Date: Nov 14

Bell ringer

Worksheet 3

#16 The number is 39.

#14 The number is 28.

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16 $\frac{u}{t} = \frac{3}{1}$ $t + u = 12$

$u = 3t$ $t + 3t = 12$

$4t = 12$

$t = 3$

$u = 3 \cdot 3$

$u = 9$

Learning target:

You can review solving word problems by using systems of equations.

Assignment:

Worksheet 4 on word problems

(4) $\frac{t}{u} = \frac{1}{4}$ $u = 4t$

$10u + t = 3(10t + u) - 2$

$10u + t = 30t + 3u - 2$

$10(4t) + t = 30t + 3(4t) - 2$

$40t + t = 30t + 12t - 2$

$$41t = 42t - 2$$
$$-42t \quad -42t$$
$$-t = -2$$
$$t = 2$$

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7) 94

8) 75

9) The check is $45.

10) 48

11) 29

12) 52

13) 95

15) 72

8 PTS

(2) $t = 2u + 1$

$10u + t = 3(t + u) + 4$

$10u + 2u + 1 = 3(2u + 1 + u) + 4$

$12u + 1 = 3(3u + 1) + 4$

$12u + 1 = 9u + 3 + 4$

$12u + 1 = 9u + 7$

10) $t+u=12$ $\quad u=2t$

15) $t+u=9$ $\quad 10t+u-45=10u+t$

11) $u=2t+1$ $\quad t+u=7$