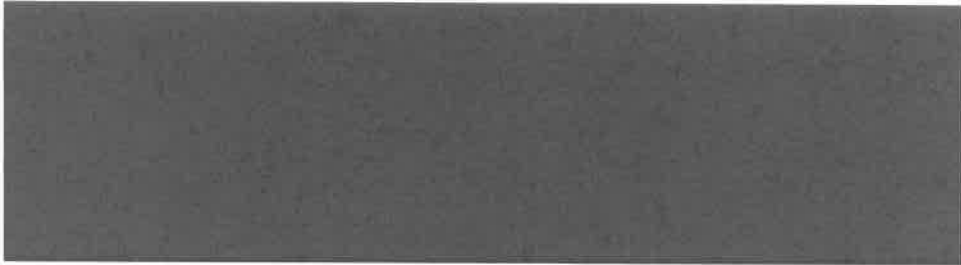


Algebra (Part II)

Grudgeball Unit Test Review



#2

$$a + \cancel{128} = 402$$

-128 -128

$$a = 274$$

#3

$$\cancel{-29} + r = 439$$

$+29$ $+29$

$$r = 468$$

#4

$$y - \cancel{92} = 32$$

$+92$ $+92$

$$y = 124$$

#5

$$s - 32 = -51$$

~~+32~~ +32

$$s = -19$$

#6

$$\frac{9d}{9} = \frac{45}{9}$$

$$d = 5$$

#7

$$\frac{-5d}{-5} = \frac{-95}{-5}$$

$$d = 19$$

#8

$$\frac{m}{5} = 7 \cdot 5$$

$$m = 35$$

#9

$$-5 \cdot 30 = \frac{b}{-5} \cdot -5$$

$$-150 = b$$

#10

Each piece of pie costs \$2.00. The price of h pieces of pie is \$28.00.

Equation:

$$2h = 28$$

Solve:

$$\frac{2h}{2} = \frac{28}{2}$$

$$h = 14$$

14 pieces of pie

#11

Emily made a withdrawal of w dollars from her savings account. Her old balance was \$394 and her new balance is \$93.

Equation:

$$93 + w = 394$$

Solve:

$$\begin{array}{r} 93 + w = 394 \\ -93 \quad -93 \end{array}$$

$$w = 301$$

Withdrew \$301 from the Bank

#12

$$\begin{array}{r} 3x + 24 = 36 \\ -24 \quad -24 \end{array}$$

$$\frac{3x}{3} = \frac{12}{3}$$

$$x = 4$$

#13

$$\frac{w}{6} + 4 = 7$$

~~-4~~ ~~-4~~

$$\cancel{6} \cdot \frac{w}{\cancel{6}} = 3 \cdot 6$$

$$w = 18$$

#14

$$-2r + 43 = 29$$

~~-43~~ ~~-43~~

$$\frac{\cancel{-2}r}{\cancel{-2}} = \frac{-14}{\cancel{-2}}$$

$$r = 7$$

#15

Jared wants to buy some CD's that each cost \$16. He also wants to buy a DVD that costs \$19. Jared spends \$147. Write an equation to represent the situation to solve for how many CD's (c) Jared bought, then solve.

Equation: $16c + 19 = 147$

Solve:

$$16c + 19 = 147$$

~~-19~~ ~~-19~~

$$\frac{16c}{16} = \frac{128}{16}$$

$$c = 8$$

Bought 8
CD's

#16

Makayla was having a birthday party at the movies. It costs \$48 for the pizza and \$14.50 per movie tickets. She spent \$135 on the birthday party. Write an equation to represent the situation to solve for how many people (p) Makayla had at her birthday party, then solve.

Equation:

$$14.50p + 48 = 135$$

$$\frac{14.50p}{14.50} = \frac{87}{14.50}$$

$$p = 6$$

6 people
went to
the party