

**Level 1 Questions:**Solving an equation, using multiple choice strategies

$$48 + 5k = 58$$

- (1)  $-2$
- (2)  $-1$
- (3)  $4$
- (4)  $2$

Solving a one-step literal equationSolve for  $z$ 

$$A = z + d$$

Identifying Key words

Match the following:

_____ Product	A) Multiplying
_____ Difference	B) Dividing
_____ Sum	C) Subtracting
_____ Quotient	D) Adding

Translating an equation, given multiple choices*Twice a number plus seven is 23*

- (1)  $2 + 7 = 23$
- (2)  $2x + 7 = 23$
- (3)  $2 + x + 7 = 23$
- (4)  $\frac{2}{x} + 7 = 23$

**Level 2 Questions:**

Solving one- and two-step equations

$$15 = n + 6$$

$$-45 = \frac{x}{5}$$

$$3f - 11 = 4$$

$$\frac{n}{4} - 6 = 15$$

Solving one step literal equations

Solve for k

$$t = 3k$$

Solve for c

$$2Q = c + d$$

Translate a two-step equation

Five less than two times a number is the same as seven.

Eight more than the quotient of a number and 2 is equal to 12.

### Level 3 Questions

#### Solving Split Variable, Multi-Step, Proportion, and Distributing Equations

$$4(x + 2) - 5 = 6x + 6$$

$$4x - 19 + 3x = -12$$

$$\frac{3}{x - 7} = \frac{2}{x}$$

$$8 + 3x = x - 6$$

#### Solving two step literal equations

Solve for f

$$y = \frac{f+g}{3}$$

Solve for c

$$ca + e = s$$

### Translating a real-world equation

Verizon wireless used to charge customers very differently. They would be charged a flat fee of \$20 per month plus five cents (0.05) per minute. Write an equation that would represent how much you would be able to talk (minutes) for \$100.

### ***Crazy Level 4 Equation***

$$5(-3x - 2) - (x - 3) = \frac{-45(4x + 5) - 3}{12}$$

The following will be on your TEST:

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

It will be helpful to know the following vocabulary:

- Key words for Operations: Product, Sum, Difference, Quotient
- Literal Equations
- Inverse Operation
- Distribute
- Split Variable

My options to study this period are:

- Review problems in your packet and check answers with Dr K.
- A small group review with Dr. K.
- Studying on my own using a *Keep It Brief* study guide graphic organizer
- Make flashcards for the key vocabulary
- Work on IXLs or eMathInstruction from the cover of your packet
- Watch or rewatch any videos for different types of equations
- Other: \_\_\_\_\_

**Circle your choice!** I decided to complete this option because \_\_\_\_\_

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