



# Daffynition Decoder

Flu shot:

$$10\frac{1}{2} \quad 6\frac{1}{4} \quad 1350 \quad 10\frac{1}{2} \quad \frac{1}{11} \quad -3\frac{6}{7} \quad \frac{2}{5} \quad 5\frac{3}{5} \quad -96 \quad -96 \quad -2\frac{1}{2} \quad -4\frac{2}{7} \quad 6 \quad -24 \quad 5\frac{3}{5}$$

Fourth of July:

$$1350 \quad 15 \quad -2\frac{2}{3} \quad -2\frac{4}{5} \quad 13\frac{1}{3} \quad 15 \quad -24 \quad -4\frac{2}{7} \quad 5\frac{3}{5} \quad \frac{3}{4} \quad 1410 \quad 5\frac{3}{5} \quad 21 \quad 20 \quad -6\frac{2}{3} \quad -2\frac{4}{5} \quad -45 \quad -4\frac{2}{7} \quad 10\frac{1}{2} \quad -4\frac{1}{2} \quad -2\frac{2}{3}$$

Solve each equation or problem and find your solution in the code. Each time the solution appears, write the exercise letter above it.



**R**  $12x + 5 = 14$

**W**  $4 - 20y = -4$

**S**  $9a - 2 = -26$

**I**  $\frac{2}{3}x - 4 = 10$

**N**  $-\frac{3}{4}n + 7 = 25$

**G**  $9 - \frac{2}{5}k = 1$

**O**  $\frac{9}{2}m - 3 = 24$

**U**  $8 - \frac{4}{3}t = -12$

**L**  $\frac{5}{8}q + 60 = 0$

**A**  $\frac{2}{7}y + 8 = 11$

**H**  $-\frac{3}{5}u - 9 = -5$

**Y**  $-1 + \frac{10}{3}h = -16$

**B**  $\frac{11}{2}w + 7 = 12$

**T**  $\frac{1}{15} - \frac{1}{6}v = \frac{8}{15}$

**D**  $\frac{7}{8}p = -\frac{15}{4}$

**E** The Trek Club plans to hike 20 miles today. The hikers have covered 6 miles so far. If they travel at an average speed of  $2\frac{1}{2}$  mph, how many hours will it take to complete the hike? \_\_\_\_\_h

**J** You are a salesperson for Worldwide Widgets. Each week you earn \$200 plus two ninths of your sales. What dollar amount of sales do you need this week to earn \$500? \$\_\_\_\_\_

Pre-Algebra

Name: \_\_\_\_\_

3.5 Solving Equations

Date: \_\_\_\_\_

Homework -

- Solving Equations with Fractions

Hour: \_\_\_\_\_

Solve the following equations. Be sure to show your work.

\*How are these problems different than the problems on the other side of this handout?

1.)  $\frac{x+3}{5} = 2$

2.)  $\frac{x-7}{3} = -4$

3.)  $\frac{2x+11}{-3} = 5$

4.)  $\frac{-5x-4}{2} = -7$