



## Day 7

May the odds be always in your favor

### District 1: Fractions

$$3\frac{1}{2} - 2\frac{3}{4} =$$

$$\frac{6}{5} \div \frac{5}{6} =$$

### District 2: Integers

$$-3 + 14 =$$

$$5 - (-9) =$$

$$(-10) \times (-4) =$$

$$15 \div (-5) =$$

### District 3: Order of Operations

$$-3\{4 - [5 + 3(2 - 4)] + 7\} =$$

$$-3^2 =$$

$$(-3)^2 =$$

### District 4: One Step Equations

$$15 + x = 12$$

$$5y = -7$$

### District 5: Two Step Equations

$$-2x + 3 = -21$$

$$\frac{n}{3} - 1 = 11$$

### District 6: Multi Step Equations

$$18 = 3(3x - 6)$$

$$30 = -5(6n - 6)$$

$$8 = 8v - 4(v + 8)$$

$$-2 = -(b - 8)$$

### District 7: Proportions

$$\frac{5}{12} = \frac{x}{24}$$

$$\frac{8}{15} = \frac{x}{30}$$

$$\frac{6}{7} = \frac{x}{3.5}$$

$$\frac{10}{45} = \frac{x}{9}$$