

# **Snow Day Packet**

## **Math 7 - 2018-19**

**Mrs. Long**

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Name \_\_\_\_\_

### Directions:

1. Do the Day 1 worksheet on the first snow day, do Day 2 on the second snow day, etc.
2. Put your name, the snow day date, and your class period on each paper that you complete.
3. The paper is due the first day back to school. If we miss 2 or 3 days in a row, all of those are due the first day back.
4. You must attempt every problem on the page to get full credit. This will be graded the same as any other homework assignment.
5. If you lose your packet, call a friend to get the problems or copies may be obtained from the main office at the school. You may also email me at the above address and I will send you a copy of the page for that day.
6. You may contact me by email or livegrades with questions you have on the work during that day from 10:00 – 2:00.

## Snow Day 1 - No calculator. Show work!

Date \_\_\_\_\_ Period \_\_\_\_\_

**Find each sum.**

1)  $6 + (-1)$

2)  $8 + (-5)$

3)  $(-4) + (-1)$

4)  $(-7) + 6$

5)  $2.1 + (-3.57)$

6)  $(-1) + 4.5$

7)  $(-7) + 4.8$

8)  $3.03 + (-5.7)$

**Find each difference.**

9)  $7 - 8$

10)  $3 - 5$

11)  $8 - (-6)$

12)  $(-4) - (-6)$

13)  $(-1.4) - 7.8$

14)  $(-7.9) - 7.4$

15)  $4.8 - (-6.2)$

16)  $1.4 - (-4.8)$

**Evaluate each expression.**

17)  $(-4) + 5 - (-3)$

18)  $8 - (-8) - (-7)$

19)  $1 + (-4) + 2 + 8$

20)  $2 + 4 - (-6) + 7$

## Adding/Subtracting Rational Numbers

Date \_\_\_\_\_ Period \_\_\_\_\_

**Evaluate each expression. NO CALCULATOR. SHOW WORK!!!**

1)  $-\frac{5}{8} - \frac{1}{2}$

2)  $\left(-\frac{4}{3}\right) - \left(-\frac{8}{5}\right)$

3)  $\left(-\frac{1}{5}\right) - \left(-\frac{5}{4}\right)$

4)  $\frac{11}{7} - \frac{3}{5}$

5)  $\left(-\frac{5}{3}\right) + \left(-\frac{5}{6}\right)$

6)  $2\frac{1}{2} - 4\frac{1}{6}$

7)  $\left(-3\frac{1}{4}\right) + \left(-2\frac{1}{8}\right)$

8)  $2\frac{6}{7} - \left(-2\frac{2}{3}\right)$

9)  $\frac{6}{7} - 4\frac{3}{4}$

10)  $2\frac{6}{7} - \frac{3}{5}$

11)  $1 - \frac{4}{5} - \left(-\frac{4}{3}\right)$

12)  $1 + \left(-\frac{8}{5}\right) - \frac{2}{7}$

13)  $\left(-\frac{4}{3}\right) - \left(-\frac{8}{7}\right) + \frac{1}{2}$

14)  $2 - \frac{11}{7} - (-1)$

15)  $\left(-\frac{1}{2}\right) - \left(-\frac{12}{7}\right) + (-2)$

16)  $\left(-\frac{7}{10}\right) + 11 - \left(-2\frac{1}{6}\right)$

17)  $\frac{1}{2} - \left(-\frac{20}{11}\right) - \left(-3\frac{1}{2}\right)$

18)  $\frac{1}{4} + (-1) - 1\frac{3}{4}$

19)  $(-3) + \frac{5}{6} + \left(-\frac{1}{8}\right)$

20)  $\left(-\frac{9}{11}\right) - \frac{5}{3} - \frac{2}{3}$

## Snow Day 3

**Simplify each expression by combining like terms.**

1)  $11n + 5n$

2)  $a + 12 - 4a$

3)  $-1 + 5n + 1 - 9n$

4)  $13 + x - 11x$

**Simplify each expression by distributing and then combining like terms.**

5)  $4(n + 1)$

6)  $-(10 - 10x)$

7)  $-2(9n + 6)$

8)  $-9(1 - 9v)$

9)  $10m + 10(10m - 2)$

10)  $n - 9(8 + 6n)$

**Factor the common factor out of each expression.**

11)  $21b - 30$

12)  $9 + 30x$

13)  $6x + 6$

14)  $-6n + 42$

## Snow Day 4

Date \_\_\_\_\_ Period \_\_\_\_\_

Solve each equation.

1)  $272 = -16x$

2)  $-16 = \frac{n}{10}$

3)  $-9 = x + 9$

4)  $p - 5 = -5$

5)  $7 = 2a + 3$

6)  $-2 + 10n = -132$

7)  $\frac{b}{1} + 2 = 2$

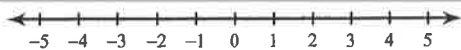
8)  $2k - 4(-7k + 5) = -140$

9)  $5(8 - 3n) = 85$

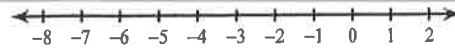
10)  $-119 = -7(8x + 1)$

Solve each inequality and graph its solution.

11)  $\frac{p - 8}{10} > -1$



12)  $1 > \frac{x}{2} + 3$



## Snow Day 5

Date \_\_\_\_\_ Period \_\_\_\_\_

**Solve each proportion. Round to the hundredths place if necessary.**

1)  $\frac{7}{n} = \frac{10}{8}$

2)  $\frac{x}{4} = \frac{7}{10}$

3)  $\frac{2}{3} = \frac{m}{9}$

4)  $\frac{x}{2} = \frac{8}{4}$

5)  $\frac{r}{10} = \frac{7}{3}$

6)  $\frac{5}{6} = \frac{3}{a}$

7)  $\frac{x}{5} = \frac{10}{7}$

8)  $\frac{2}{p} = \frac{3}{9}$

**Answer each question and round your answer to the nearest whole number.**9) One package of cherry tomatoes costs \$3.  
How many packages can you buy for \$18?10) A rectangle is 15 in wide and 20 in tall. If  
it is reduced to a width of 3 in, then how  
tall will it be?11) Castel reduced the size of a rectangle to a  
width of 3 in. What is the new height if it  
was originally 12 in tall and 9 in wide?12) Trevon was planning a trip to Western  
Samoa. Before going, he did some  
research and learned that the exchange  
rate is 3 Tala to \$1. How many Tala  
would he get if he exchanged \$6?