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Directions: When working each of the following questions, be sure to show all work.

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1) Which set below shows the integers in order from least to greatest?

a)  $-6, -4, 0, 4$

b)  $-4, -6, 0, 4$

c)  $-6, 4, 0, -4$

d)  $0, -4, -6, 4$

2) Which decimal is equivalent to  $\frac{4}{5}$

a) .2

b) .08

c) .6

d) .8

3) Multiply  $13.07 * 3.5$

a) 26.05

b) 39.045

c) 39.87

d) 45.745

4) Mrs. Woods bought 4.5 pounds of asparagus at \$0.70 a pound and 2.5 pounds of pasta at \$1.22 a pound. How much did she pay in total for the asparagus and pasta?

- a) \$2.70
- b) \$4.19
- c) \$6.92
- d) \$6.20

5) Divide 14.56 by 7

- a) 2.08
- b) 2.07
- c) 20.7
- d) .208

6) What is  $\frac{8}{12}$  of  $\frac{36}{64}$  in simplest form?

- a)  $\frac{288}{768}$
- b)  $\frac{144}{384}$
- c)  $\frac{1}{8}$
- d)  $\frac{3}{8}$

7) There are 56 sixth graders going to a local museum. The total cost of all student tickets is \$226.80. What is the cost of one student ticket?

- a) 3.24
- b) \$3.78
- c) \$4.05
- d) \$4.20

8) Divide  $3\frac{1}{3}$  by  $1\frac{2}{5}$

- a)  $2\frac{8}{21}$
- b)  $2\frac{2}{8}$
- c)  $\frac{104}{20}$
- d)  $5\frac{1}{5}$

9)  $-4 + -14$

- a) 18
- b)  $-18$
- c) 10
- d)  $-10$

10)  $-11 + 9$

a) 2

b)  $-2$

c) 20

d)  $-20$

11)  $-5 - 5$

a) 10

b) 0

c)  $-10$

d)  $-1$

12)  $4 - 17$

a)  $-12$

b)  $-13$

c)  $-14$

d)  $-3$

13)  $-8 * -4$

a)  $-28$

b)  $-32$

c) 32

d) 28

14)  $4 * (-11)$

- a) 44
- b) -15
- c) -44
- d) -7

15)  $(-56) \div (-8)$

- a) 7
- b) 6
- c) -7
- d) -6

16) The temperature at 4am was  $3^{\circ}\text{F}$ . The temperature dropped 3 degrees every hour for three hours. What was the temperature at 7am?

- a)  $-6^{\circ}\text{F}$
- b)  $-8^{\circ}\text{F}$
- c)  $-2^{\circ}\text{F}$
- d)  $-4^{\circ}\text{F}$

17) The temperature in Austin is  $50^{\circ}\text{F}$ . Five hours later it was  $30^{\circ}\text{F}$ . What was the average change in temperature per hour as an integer?

- a)  $-4^{\circ}\text{F per hour}$
- b)  $-5^{\circ}\text{F per hour}$
- c)  $-20^{\circ}\text{F per hour}$
- d)  $5^{\circ}\text{F per hour}$

18) Tommy can ride his bicycle 20 miles in 60 minutes. How many miles can he ride in 210 minutes?

- a) 60 miles
- b) 65 miles
- c) 70 miles
- d) 75 miles

<i>Number of miles</i>	20			
<i>Time in minutes</i>	60			210

19) Bryan runs three miles every 27 minutes. At this rate how many minutes did Bryan run if he ran 10 miles?

- a) 150 minutes
- b) 130 minutes
- c) 90 minutes
- d) 65 minutes

20) Hannah drinks 6 cups of juice a day. How many pints does she drink in 5 days?

- a) 10 pints
- b) 15 pints
- c) 20 cups
- d) 15 cups