

## Review Worksheet #22

Section 1 - Multiple Choice

1) Which is a true statement?

(a)  $0 > -10$

(b)  $-6 > 0$

(c)  $-12 > -8$

(d)  $-18 > -6$

2) The following fractions are ordered from greatest to least. What digits could replace  $x$ ?

$$\frac{3}{4}, \frac{1}{2}, \frac{1}{4}, \frac{x}{20}$$

(a) Any digit greater than 4

(b) Any digit less than or equal to 4

(c) Any digit greater than 7

(d) Any digit greater than 0

3) Which fractions are arranged from least to greatest?

(a)  $\frac{1}{2}, \frac{1}{4}, \frac{3}{4}, \frac{5}{8}, \frac{7}{8}$

(c)  $\frac{7}{8}, \frac{3}{4}, \frac{5}{8}, \frac{1}{2}, \frac{1}{4}$

(b)  $\frac{1}{4}, \frac{1}{2}, \frac{5}{8}, \frac{3}{4}, \frac{7}{8}$

(d)  $\frac{7}{8}, \frac{5}{8}, \frac{3}{4}, \frac{1}{4}, \frac{1}{2}$

For question 4

Jane and Sue keep records of their quiz grades in math. Below are their scores on the first five quizzes of the year. Each quiz had 100 possible points.

	<u>Jane</u>	<u>Sue</u>
Quiz 1	62.5%	95%
Quiz 2	75%	90%
Quiz 3	89%	60%
Quiz 4	87.5%	62.5%
Quiz 5	80%	83%

4)

On her sixth quiz, Jane got 156 points out of 200 possible points. What was her percentage correct on this quiz?

- (a) 39%
- (b) 73%
- (c) 78%
- (d) 156%

For question 5

Today is Spirit Day at Forest Park Junior High. The school colors are red, white, and gray. The students were encouraged to wear the school colors to show support for their school's teams. The number of students who wore some or all of the school colors is shown in the chart below.

Color	Number of Students Wearing the Color
Red Only	25
White Only	28
Gray Only	22
Red and White Only	29
Red and Gray Only	33
White and Gray Only	58
Red, White and Gray	55

5)

According to the data, what percent of the students wore only one of their school colors?

- (a) 9%
- (b) 10%
- (c) 18%
- (d) 30%

For question 6

Students in a seventh-grade class were surveyed to determine their favorite sport. The results are shown in the chart below.

Sports	Tally	Frequency
Swimming	      	11
Football	 	7
Basketball	      	15
Soccer	      	12

- 6) According to the data, what percent of the students listed basketball or soccer as their favorite sport?
- (a) 27%  
 (b) 33%  
 (c) 40%  
 (d) 60%
- 8) During the summer, Brian will be working for \$7.50 per hour. He expects to work 300 hours before he goes back to college. He plans to use about 75% of his summer earnings to pay for college. How much will he have left to spend?
- (a) \$168.75  
 (b) \$562.50  
 (c) \$1,687.50  
 (d) \$2,250.00

7) Solve.

$$\sqrt{169} = ?$$

- (a) 12  
 (b) 13  
 (c) 14  
 (d) 15

9) Solve using mental math.

$$75\% \text{ of } 28 =$$

- (a) 2.1  
 (b) 21  
 (c) 210  
 (d) 2100

10) What is the square root of  $3^4$ ?

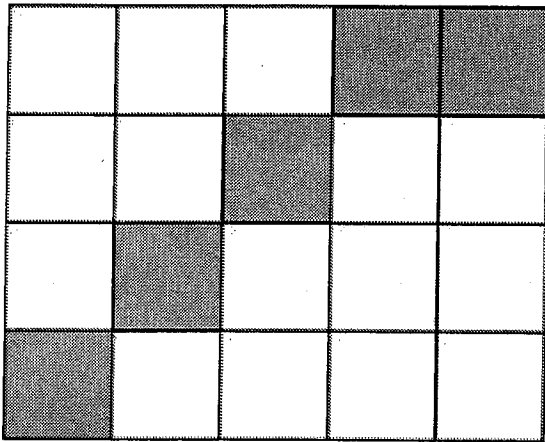
- (a) 3
- (b) 9
- (c) 12
- (d) 81

11) Determine the square root of  $\frac{225}{256}$ .

- (a)  $\frac{15}{16}$
- (b) .99
- (c)  $\frac{11}{17}$
- (d) 3.14

12)

What percentage of the figure is shaded?



- (a) 5%
- (b) 20%
- (c) 25%
- (d) 30%

13) Holly made 72% of her free throws. If she shot 25 free throws, how many did she make?

- (a) 72
- (b) 36
- (c) 18
- (d) 9

14) Frank owns a nursery. He has noticed that his favorite type of tree grows, on average, about 12% each year. If the tree is currently 42 ft tall, how tall should this tree be in two years?

- (a) 47 ft
- (b) 51 ft
- (c) 53 ft
- (d) 66 ft

15) Nate found a shirt that he wanted to purchase that was on sale for 35% off. The original price of the shirt was \$38.00. How much will Nate pay for the shirt?

- (a) \$24.70
- (b) \$26.10
- (c) \$29.80
- (d) \$34.50

16) The Gumble family went out to dinner. The bill was \$68.40. If sales tax is  $7\frac{1}{2}\%$ , how much tax will the Gumbles have to pay?



- (a) \$4.43
- (b) \$5.13
- (c) \$5.93
- (d) \$6.33

17) Mr. Patel bought a chair for his furniture store for \$360. He sold it a week later for \$468. What was the percent of the price increase on the chair?

- (a) 23%
- (b) 30%
- (c) 75%
- (d) 108%

18) What is the square root of  $5^4$ ?

- (a) 10
- (b) 25
- (c) 50
- (d) 125

19) Between what 2 integers does  $\sqrt{86}$  lie?

- (a) 7 and 8
- (b) 8 and 9
- (c) 9 and 10
- (d) 10 and 11

20) What is the square root of 196?

- (a) 784
- (b) 98
- (c) 49
- (d) 14