

Review Worksheet #11

Section 1 - Multiple Choice1) Solve for x .

$$5x - 3 = 22$$

- (a) 4
- (b) 5
- (c) 6
- (d) 7

2) Mark sold some tickets. Wayne sold 4 times as many tickets as Mark. Together they sold 40 tickets. How many tickets did Mark sell?

- (a) 6
- (b) 8
- (c) 10
- (d) 12

3) Solve for x . $4x - 9 = 23$

- (a) 6
- (b) 7
- (c) 8
- (d) 9

4) Solve for x . $7x + 8 = 43$

- (a) 5
- (b) 6
- (c) 7
- (d) 8

5) To isolate the variable, what is the first step to solve the equation $3x + 4 = 16$?

- (a) subtract 4 from both sides
- (b) subtract 16 from both sides
- (c) add 4 to both sides
- (d) add 16 to both sides

6) What is n if twice n decreased by 31 is 59?

- (a) 90
- (b) 45
- (c) 28
- (d) 14

7) Solve for m .

$$13 - m = -17$$

- (a) -4
- (b) -17
- (c) 30
- (d) 47

8) Which symbol shows the correct comparison between the two numbers?

$$-7 \quad \underline{\quad} \quad 5$$

- (a) $>$
- (b) $=$
- (c) $<$
- (d) \leq

9) Which is a true statement?

- (a) $0 > -10$
- (b) $-6 > 0$
- (c) $-12 > -8$
- (d) $-18 > -6$

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

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

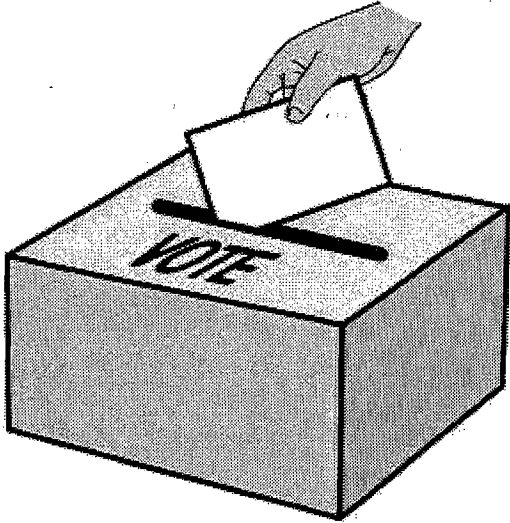
- (a) Any digit greater than 4
- (b) Any digit less than or equal to 4
- (c) Any digit greater than 7
- (d) Any digit greater than 0

11) Miguel, Debbie, Tori, and Fallon entered a cookie-baking contest in their cooking class to see who had the best recipe. One hundred people tasted a piece of each of the contestants' cookies. The chart below tells what fraction of the students voted for each contestant's cookie. Who received the most votes?

Student	Fraction of the Vote
Miguel	$\frac{3}{4}$
Debbie	$\frac{4}{6}$
Tori	$\frac{5}{8}$
Fallon	$\frac{8}{12}$

- (a) Miguel
- (b) Debbie
- (c) Tori
- (d) Fallon

12) Frank, Kaitlyn, and Antonio were running for class president. The entire school voted. Frank received $\frac{9}{24}$ of the vote, Kaitlyn received $\frac{3}{8}$ of the vote, and Antonio received $\frac{3}{12}$ of the vote. Who received the most votes?



- (a) Antonio
- (b) Frank
- (c) Antonio and Kaitlyn tied.
- (d) Kaitlyn and Frank tied.

13) The principal of Kennedy Junior High took a survey of her 564 students to find out which elective class the students enjoyed the most.

Subject	Fraction of Students
Chorus	$\frac{2}{3}$
Computers	$\frac{3}{4}$
Band	$\frac{4}{6}$
Foreign Language	$\frac{7}{9}$

Based on the chart, which class did the students enjoy the most?

- (a) Chorus
- (b) Computers
- (c) Band
- (d) Foreign Language

14) Which fractions are ordered from least to greatest?

- (a) $\frac{2}{3}, \frac{3}{4}, \frac{2}{5}, \frac{3}{9}$
- (b) $\frac{2}{3}, \frac{2}{5}, \frac{3}{4}, \frac{3}{9}$
- (c) $\frac{3}{9}, \frac{2}{5}, \frac{2}{3}, \frac{3}{4}$
- (d) $\frac{3}{9}, \frac{2}{5}, \frac{3}{4}, \frac{2}{3}$

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

16) Tania must correctly order $-\frac{2}{3}$, $-\frac{3}{4}$, and $-\frac{4}{5}$ on a number line. Which of the following is the correct order from least to greatest?

(a) $-\frac{2}{3}, -\frac{3}{4}, -\frac{4}{5}$

(b) $-\frac{4}{5}, -\frac{3}{4}, -\frac{2}{3}$

(c) $-\frac{4}{5}, -\frac{2}{3}, -\frac{3}{4}$

(d) $-\frac{3}{4}, -\frac{2}{3}, -\frac{4}{5}$

17) Which set of numbers is arranged largest to smallest?

(a) $-6, -12, -21, -24, -39$

(c) $\frac{1}{6}, \frac{1}{5}, \frac{1}{4}, \frac{1}{3}, \frac{1}{2}$

(b) $-39, -24, -21, -12, -6$

(d) $-\frac{1}{2}, -\frac{1}{3}, -\frac{1}{4}, -\frac{1}{5}, -\frac{1}{6}$

18) Which set of numbers is arranged smallest to greatest?

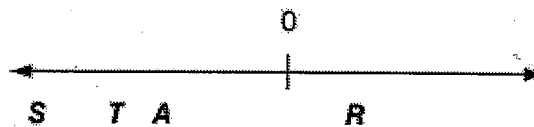
(a) $-\frac{6}{8}, \frac{4}{7}, 0, \frac{3}{4}, \frac{1}{2}$

(b) $\frac{3}{4}, \frac{4}{7}, \frac{1}{2}, 0, -\frac{6}{8}$

(c) $-\frac{6}{8}, 0, \frac{1}{2}, \frac{4}{7}, \frac{3}{4}$

(d) $-\frac{6}{8}, 0, \frac{4}{7}, \frac{1}{2}, \frac{3}{4}$

19) Which of the following is true?



(a) $S > T$

(b) $A > 0$

(c) $R < 0$

(d) $T < A$

20) 20. Which of the following has the greatest value?

(a) $5 - 9 =$

(c) $-5 - 9 =$

(b) $5 - (-9) =$

(d) $-5 - (-9) =$