

Review Worksheet #18

Section 1 - Multiple Choice

1) Solve for x .

$$5x - 3 = 22$$

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

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

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

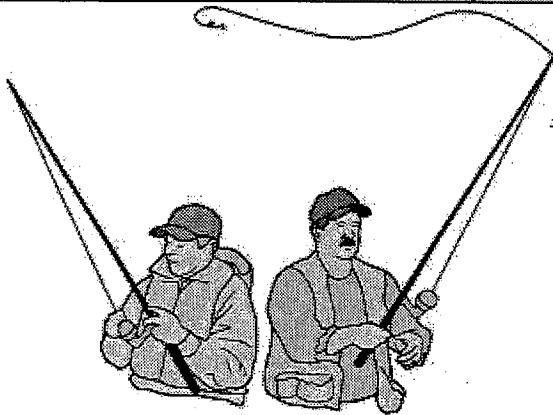
3) Solve for x . $7x + 8 = 43$

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

For question 4

Two friends, Bob and Mark, took a fishing trip. The results of their catch are in the table below.

| | Bass | Walleye | Muskie |
|------|------|---------|--------|
| Bob | 18 | 4 | 2 |
| Mark | 17 | 11 | 6 |



4)

What percent of Bob's catch were bass and muskie?

- (a) 83.33%
- (b) 75.55%
- (c) .83%
- (d) .75%

5) When Edgar sells a TV he earns a 4% commission. If Edgar sells a TV for \$658, what will be his commission?

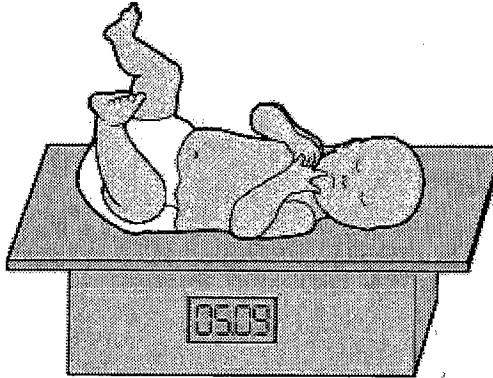
- (a) \$263.20
- (b) \$52.64
- (c) \$43.62
- (d) \$26.32

6) Simplify.

$$8\frac{3}{4} + 7\frac{5}{6}$$

- (a) $15\frac{8}{12}$
- (b) $15\frac{19}{24}$
- (c) $16\frac{7}{12}$
- (d) $16\frac{19}{12}$

7) Mrs. LaRue had triplets on January 17, 1998. They weighed 5.09 pounds, 4.89 pounds, and 4.9 pounds. What was their total weight?



- (a) 9.79 pounds
- (b) 10.47 pounds
- (c) 14.88 pounds
- (d) 15.78 pounds

For question 8

José and Mike play football. They are both running backs and take turns carrying the football. Sometimes they gain yards and other times they lose yards. Below are the gains or losses of yards for each player on 5 plays.

| José | Mike |
|------|------|
| +5 | -6 |
| +3 | +8 |
| -2 | -2 |
| +8 | +3 |
| -9 | -4 |

8)

In another game, José had a total loss of 35 yards on 4 plays. What was the average result of each play?

- (a) +8.75 yards
- (b) -8.75 yards
- (c) +140 yards
- (d) -140 yards

For question 9

Two local gas stations displayed their gas prices. The prices are shown on the chart below.

| Type of Gas | Ed's Gas Station | Bob's Gas Station |
|-------------|------------------|-------------------|
| Regular | \$1.48/gallon | \$1.41/gallon |
| Plus | \$1.58/gallon | \$1.52/gallon |
| Premium | \$1.69/gallon | \$1.61/gallon |

9)

Mr. Alonzo needs to buy 20 gallons of plus gas. If he goes to Bob's station rather than Ed's station, how much will he save?

- (a) \$0.07
- (b) \$1.20
- (c) \$1.40
- (d) \$2.00

11) Simplify the following:

$$3(24 \div 4 - 2)$$

- (a) 12
- (b) 24
- (c) 36
- (d) 48

10) The morning temperature reading was 10° . If the temperature dropped 20° by mid-afternoon, what was the new temperature reading?

- (a) -10°
- (b) -20°
- (c) -30°
- (d) 30°

12) Find A to satisfy the equation on the left and B to satisfy the equation on the right.

$$6 \div A = 0 \qquad 8 \times B = 1$$

- (a) $A = \frac{1}{6}; B = \frac{1}{8}$
- (b) $A = -6; B = -8$
- (c) $A = -6; B = \frac{1}{8}$
- (d) $A = 0; B = 1$

13) What is the opposite of $-\frac{3}{4}$?

(a) $-\frac{4}{3}$

(b) $-\frac{3}{4}$

(c) $\frac{4}{3}$

(d) $\frac{3}{4}$

14) Round $\frac{47}{9}$ to the nearest hundredth.

(a) 5.222

(b) 5.22

(c) 5.21

(d) 5.20

15) Solve.

$$(-4) \times (-4) \times (-3) =$$

(a) -48

(b) -38

(c) 38

(d) 48

16) What is the value of the following expression?

$$3 + 4^2 - 8 \times 2 + 4(1 + 2)$$

(a) 9

(b) 15

(c) 31

(d) 45

17) Find the value of the following expression:

$$2 + 3 \times 5 - 4 + 5 \times 6 \times 1$$

(a) 35

(b) 43

(c) 468

(d) 469

18) Ed invested in the stock market when he bought 50 shares in Ajax Can Company for \$23.75 a share. After 3 months, each share of Ajax Can Company had a value of \$27.50. How much had his total investment increased?

(a) \$3.75

(b) \$51.25

(c) \$62.50

(d) \$187.50

19) Bruce told his dad that he worked 15 hours at his weekend job and earned \$72.00. How much did Bruce earn per hour?

(a) \$4.40

(b) \$4.60

(c) \$4.80

(d) \$5.00

20) Solve.

$$\frac{1}{2}(18 + 2) + 2$$

- (a) 10
- (b) 12
- (c) 18
- (d) 20