

Review Worksheet #21

Section 1 - Multiple Choice1) Solve for x .

$$288 \div x = 24$$

- (a) 12
- (b) 14
- (c) 22
- (d) 24

2) Find the value of n that makes the equation below true.

$$\frac{2}{3}n = 51$$

- (a) 1.5
- (b) 36.6
- (c) 76.5
- (d) 110

3) Find the missing value of x .

$$3x - 6 = 120$$

- (a) 38
- (b) 42
- (c) 46
- (d) 116

4) Jack gets paid a \$50 base salary plus \$3 an hour for each hour he works. To find his pay, which equation should he use?

- (a) $3h + 50$
- (b) $3h - 50$
- (c) $50h + 3$
- (d) $50h - 3$

5) Let $y = -18$. What is x ?

$$3x - 6 = y$$

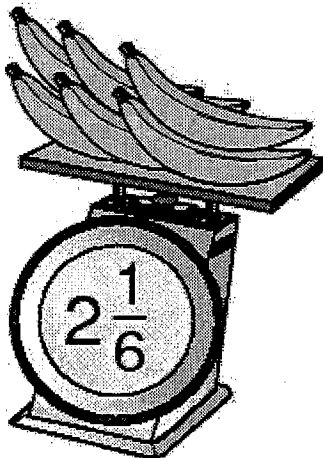
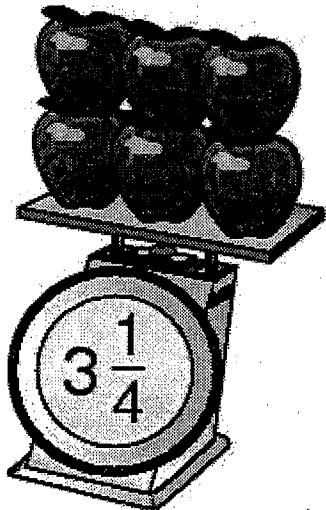
- (a) $x = 4$
- (b) $x = 8$
- (c) $x = -4$
- (d) $x = -8$

6) Pablo has a picture that is $2\frac{3}{5}$ inches tall. He wants to enlarge the picture $3\frac{3}{4}$ times its original size. How tall will the new picture be?

- (a) 6 inches
- (b) $6\frac{9}{20}$ inches
- (c) 9 inches
- (d) $9\frac{3}{4}$ inches

For question 7

Bob bought pounds of apples. He also bought pounds of bananas.



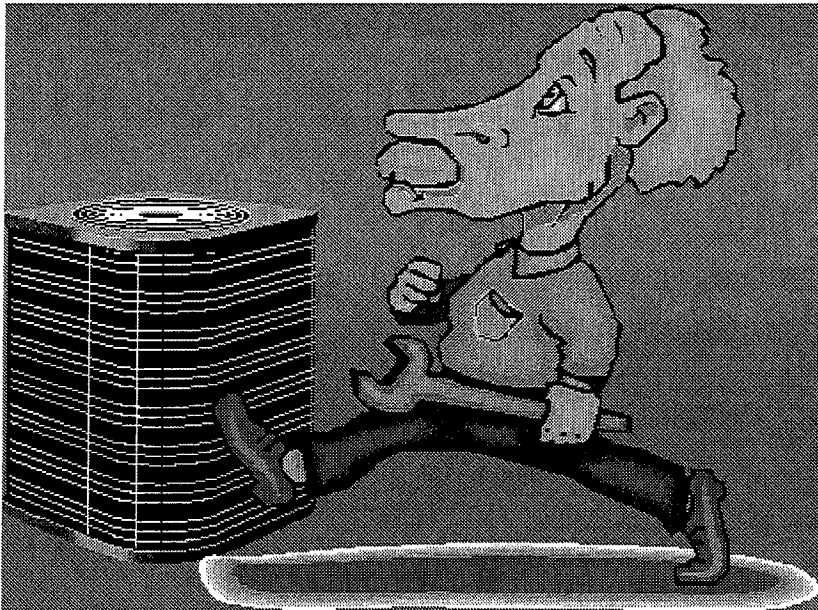
7)

If apples cost $1\frac{1}{2}$ dollars for each pound, what is the total cost of apples?

- (a) $3\frac{1}{8}$ dollars
- (b) $4\frac{1}{8}$ dollars
- (c) $4\frac{7}{8}$ dollars
- (d) $5\frac{7}{8}$ dollars

For question 8

The bill to fix the air conditioner came to \$124.77. Two-thirds of the bill was for labor charges. The rest was for parts.



8)

How much do the parts cost?

- (a) \$20.80
- (b) \$41.59
- (c) \$62.39
- (d) \$83.18

9) Myisha rode her bicycle for $1\frac{3}{4}$ hours. She traveled 12 miles per hour. How far did she travel?

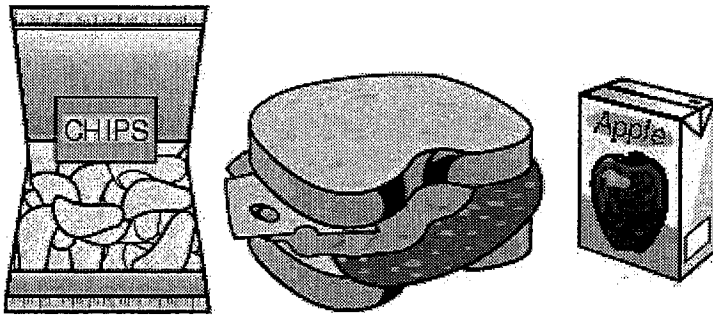
- (a) 36 miles
- (b) 24 miles
- (c) 21 miles
- (d) 12 miles

10) Marcela has a cake recipe that calls for $3\frac{1}{2}$ cups of sugar. She is going to make the cake $2\frac{1}{4}$ times bigger. How many cups of sugar will she need?

- (a) $5\frac{3}{4}$ cups
- (b) $6\frac{1}{2}$ cups
- (c) $7\frac{7}{8}$ cups
- (d) $8\frac{1}{8}$ cups

For question 11

A class going on a field trip is purchasing bagged lunches from the deli. Each complete lunch costs \$2.35. The complete lunch is shown below.



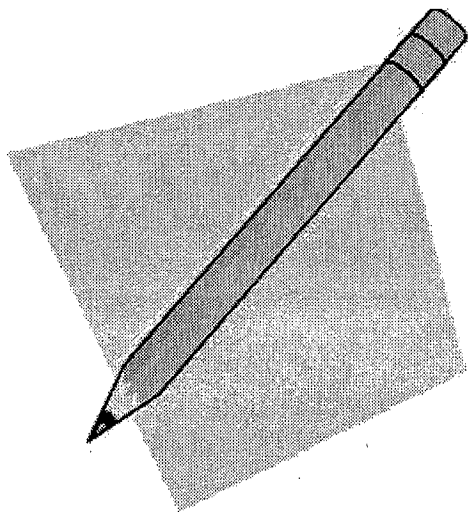
11)

If there are 23 students requesting a lunch, what is the total cost of the lunches?

- (a) \$52.95
- (b) \$53.95
- (c) \$54.05
- (d) \$55.05

12)

Laticia bought a pack of pencils for school. There were 8 pencils in the pack and the pack sold for \$3.68. How much did each pencil cost?



- (a) \$0.41
- (b) \$0.46
- (c) \$3.22
- (d) \$29.44

13) Find the quotient.

$$48.36 \div 7.8 =$$

- (a) 0.62
- (b) 6.2
- (c) 6.33
- (d) 6.328

15) Camila swam 20 laps at a rate of 1.21 minutes per lap. If she spent a total of 30 minutes at the pool, how much time did she have left after she swam the 20 laps?

- (a) 28.79 minutes
- (b) 25.8 minutes
- (c) 10 minutes
- (d) 5.8 minutes

14) Jerina and Logan bought a pizza that was cut into 8 slices. If Logan ate $\frac{3}{4}$ of the pizza, how many slices were left for Jerina?

- (a) 2
- (b) 3
- (c) 4
- (d) 6

For questions 16-17

1002053.0

Marsha considered her house to be mile zero. Anything to the west is a negative mile and anything to the east is a positive mile. Use her number line to answer the questions.

16)

Jack rode his bike 6 miles west to Marsha's house and then 2 miles further west to Lisa's house. Using Marsha's number line, what mile does Lisa live at?

- (a) mile 2
- (b) mile -2
- (c) mile 8
- (d) mile -8

17)

If Dan lives 3 miles west of Marsha and Aaron lives 4 miles east of Marsha, how far apart do Dan and Aaron live?

- (a) 1 mile
- (b) -1 mile
- (c) 7 miles
- (d) -7 miles

For question 18

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Use the number line below to answer the following questions.

18)

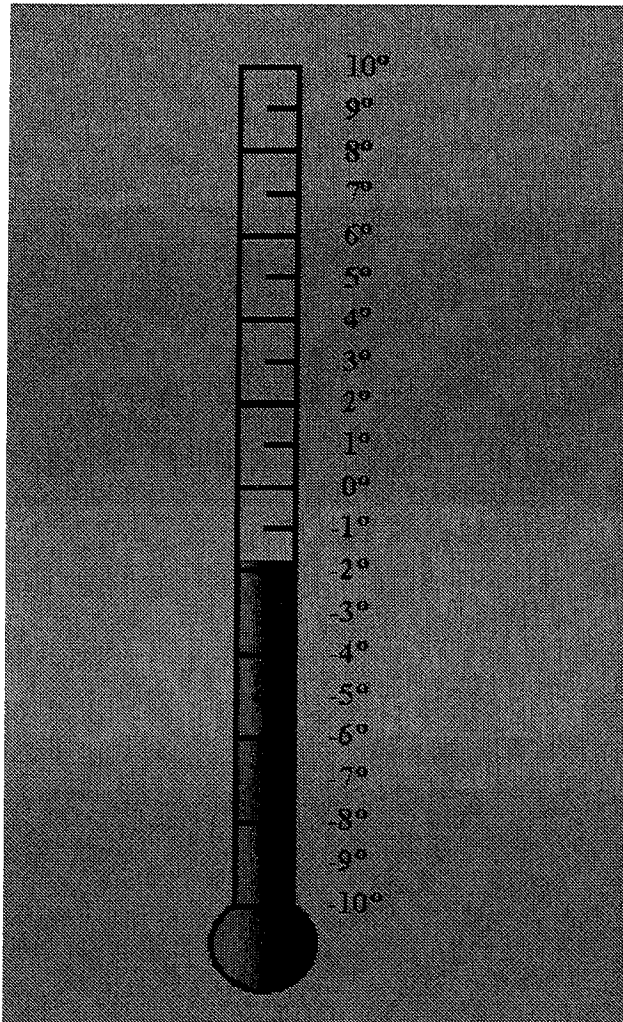
Start at 9 and decrease it by 14. What number do you land on?

- (a) 5
- (b) -5
- (c) 23
- (d) -23

For question 19

1002049.0

Use the information below to answer the following questions. Luke used this thermometer as a number line to help determine the temperature.



19)

On Tuesday Luke noticed the temperature was -4° . After 3 hours it rose 7° . What is the new temperature?

- (a) 3°
- (b) -3°
- (c) 11°
- (d) -11°

20) Mr. Singh drove his car 300 miles at an average speed of 40 miles per hour. How long did the drive take if he didn't have any stops?

- (a) 12,000 hours
- (b) $7\frac{1}{2}$ hours
- (c) 12 hours
- (d) 8 hours