

1. What operation makes this equation true?

$$135 \square 9 = 15$$

- A. + B. – C. x D. ÷

2. The standard form of one hundred five and seven hundred two thousandths is

- A. 105.072
B. 105.0072
C. 105.702
D. 105,702

3. Estimate the product $\begin{array}{r} 15.429 \\ \times 6.7 \\ \hline \end{array}$

- A. 1050
B. 150
C. 105
D. 1500

4. Simplify the following expression: $2(5 + 2) \div 2^2 + 3$

- A. 2 B. $6\frac{1}{2}$ C. 6 D. 13

5. Using the distributive property $3(6 + 15)$ is equal to

- A) $(3 + 6) \cdot (3 + 15)$ B) $3 + 6 + 15$ C) $3 \cdot 6 \cdot 15$ D) $(3 \cdot 6) + (3 \cdot 15)$

6. A race started at exactly 9:14 PM and ended at 11:52 PM. What was the elapsed time?

- A. 2 hours 42 minutes
B. 2 hours 38 minutes
C. 2 hours 42 minutes
D. 3 hours 38 minutes

7. Which fraction is another name for .09?

A. $\frac{1}{9}$

B. $\frac{9}{10}$

C. $\frac{1}{900}$

D. $\frac{9}{100}$

8. $100 \times 0.719 =$

A. 7.19

B. .00719

C. 719

D. 71.9

9. $0.35 \overline{)52.654}$

A) 150.44

B) 15.44

C) 1.5044

D) 1504.4

10. Estimate the quotient: $44.9 \div 5.3$

A. 10

B. 9

C. 8

D. 7

11. $22 \frac{5}{8}$

$-14 \frac{3}{4}$

A. $7 \frac{7}{8}$

B. $8 \frac{1}{2}$

C. $36 \frac{8}{12}$

D. $8 \frac{7}{8}$

12. What is the reciprocal of $6\frac{3}{4}$?

A. $6\frac{4}{3}$

B. $\frac{13}{4}$

C. $\frac{4}{27}$

D. $\frac{4}{13}$

13. Estimate the product $3\frac{5}{6} \times 7\frac{1}{7}$

A. 21

B. 28

C. 32

D. 24

14. $27\frac{7}{9} \div 6\frac{2}{3}$

A. $18\frac{14}{27}$

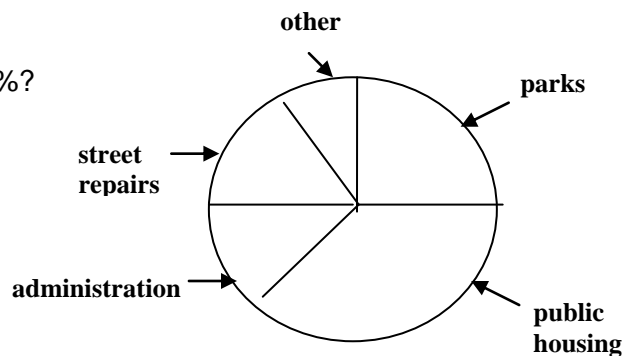
B. $\frac{5}{12}$

C. $4\frac{1}{6}$

D. 3

15. Which item on the circle graph represents about 25%?

- A. Parks
- B. Street repairs
- C. Administration
- D. Other



16. What is the missing number in the following pattern?

250, 50, 10, _____

- A. 0 B. $\frac{1}{5}$ C. 2 D. 5

17. Convert $\frac{2}{3}$ to a percent.

- A. 23% B. 65% C. 120% D. $66\frac{2}{3}\%$

18. Given the replacement set {6, 17, 23, 3}, what must n be to make the sentence true?

$$5n + 8 = 43$$

- A. 23 B. 17 C. 6 D. 3

Use the Information below to answer questions 19 and 20.

Michael plays basketball for the school team. The table below shows the number of points he scored in each of the first five games.

Game #	1	2	3	4	5
Points:	13	14	9	10	9

19. What was the mean number of points that Michael scored in the first 5 games?

- A. 6 points B. 7 points C. 11 points D. 12 points

20. Using the table above question # 19, what was Michael's median score?

- A. 5 points B. 14 points C. 9 points D. 10 points

21. Which of the following statements is true?

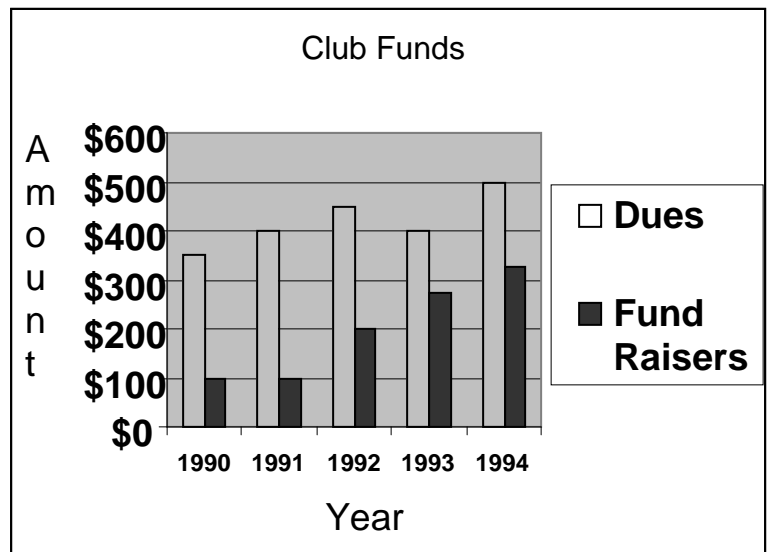
- A. $40\% = .40 = \frac{2}{5}$ B. $58\% = .58 = \frac{5}{8}$ C. $65\% = .65 = \frac{1}{3}$ D. $95\% = .95 = \frac{4}{5}$

22. A sixth grade club is selling sandwiches. They are selling ham or turkey, on white bread or wheat bread, with or without cheese. What is the number of possible sandwich combinations they are selling?

- A. 6 sandwiches
B. 4 sandwiches
C. 12 sandwiches
D. 8 sandwiches

23. The Graph shows the funds that were in the Garden Club's Account during five consecutive years. During which year was there the most cumulative funds from dues and fund raisers?

- A. 1993
B. 1992
C. 1994
D. 1991



24. Convert 210 inches into feet.

- A. 17.4 ft B. 2520 ft C. $17\frac{1}{2}$ ft D. 18 ft

25. Convert 9.07 kilograms into grams.

- A. 0.907 grams
- B. 90.7 grams
- C. 907 grams
- D. 9070 grams

26. 75% of 500 is what number?

- A. 275
- B. 325
- C. 375
- D. 425

27. 45% of what number is 81?

- A. 180
- B. 18
- C. 1.8
- D. 1800

28. What percent of 15 is 20?

- A. 80%
- B. 35%
- C. $133\frac{1}{3}\%$
- D. 75%

29. Convert 234% to a decimal.

- A. .234
- B. 2.34
- C. 23.4
- D. 234

30. Convert 58% to a fraction.

- A. $\frac{5}{8}$
- B. $\frac{29}{50}$
- C. $\frac{8}{5}$
- D. $\frac{1}{2}$

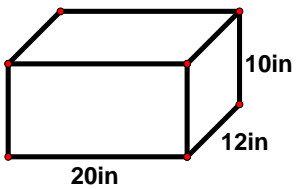
31. The sandwich shop is having a “Best Deal Week.” But only one of their “deals” is the “best” one. Which one is it?

- A. \$3.33 for 3 sandwiches
- B. \$3.82 for 4 sandwiches
- C. \$4.30 for 5 sandwiches
- D. \$5.24 for 6 sandwiches

32. In the table below, what is the missing y-value?

- A. 18
- B. 32
- C. 30
- D. 27

x	y
4	12
6	18
8	24
10	



33. Find the surface area of the rectangular prism above.

- A. 1200 in^2
- B. 1040 in^2
- C. 1120 in^2
- D. 2400 in^2

34. Find the volume of the rectangular prism in problem 33.

- A. 1200 in^3
- B. 1040 in^3
- C. 1120 in^3
- D. 2400 in^3

35. A pair of sneakers has a price tag of \$65. Justin found some coupons that would give him a discount.

One coupon says

Snappy Sneakers
30% off

Another coupon says

$\frac{1}{4}$ **off Snappy**
Sneakers

With which coupon would Justin get the best price?

A. How much would he save with each coupon? Show your work.

B. What would be the final price for the shoes using the best coupon? Explain