1. What operation makes this equation true?

   102 ☐ 17 = 6

   A. + B. – C. x D. ÷

2. The standard form of Twenty three and two hundred, forty six ten thousandths is

   A. 23.246
   B. 23.00246
   C. 23.0246
   D. 230,246

3. Estimate the product 20.703
   x 3.8

   A. 800
   B. 60
   C. 80
   D. 600

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

   A. $3\frac{5}{9}$ B. 13 C. 17 D. 20

5. Using the distributive property 4(12 + 8) is equal to

   A) (4+12) • (4 + 8) B) 4 + 12 + 8 C) 4 • 12 • 8 D) (4 • 12) + (4 • 8)

6. A race started at exactly 1:48 PM and ended at 4:26 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 .02?

A. $\frac{1}{2}$ B. $\frac{2}{10}$ C. $\frac{1}{200}$ D. $\frac{2}{100}$

8. 100 x 0.583 =

A. 5.83
B. .00583
C. 583
D. 58.3

9. $0.43\overline{)38.786}$

A) 90.2
B) 92
C) 9.02
D) 920

10. Estimate the quotient: 27.3 ÷ 8.5
A. . 2
B. 3
C. 4
D. 5

11. $10\ \frac{2}{3}$

$-\ 5\ \frac{7}{8}$

A. $4\frac{19}{24}$ B. $5\frac{19}{24}$ C. $16\frac{13}{24}$ D. $5\frac{5}{5}$

12. What is the reciprocal of $2\frac{1}{3}$?

A. $2\frac{3}{1}$ B. $\frac{6}{3}$ C. $\frac{3}{7}$ D. $\frac{7}{3}$

13. Estimate the product $3\frac{5}{6}$ **x** $8\frac{2}{7}$

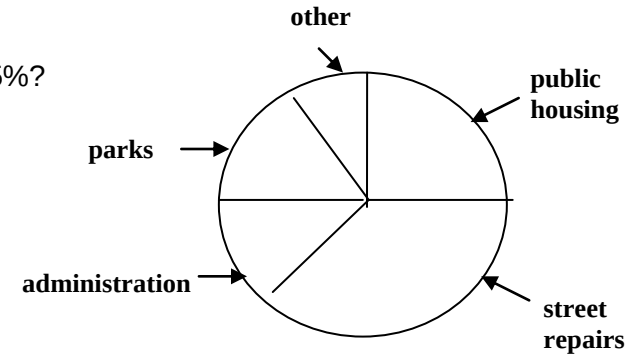
A. 24
B. 32
C. 36
D. 27

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. Public housing
B. Street repairs
C. Administration
D. Parks



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

54, 18, 6, ____

A. 0 B. 1/3 C. 2 D. 3

17. Convert $\frac{5}{8}$ to a percent**.**

A. 58% B. $12\frac{1}{2}\%$ C. 160% D. $62\frac{1}{2}\%$

18. Given the replacement set {11,13, 105, 109}, what must *n* be to make the sentence true?

$$3n - 2 = 37$$

A. 11 B. 13 C. 105 D. 109

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:	12	15	7	12	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. 6 points B. 7 points C. 11 Points D. 12 points

21. Which of the following statements is true?

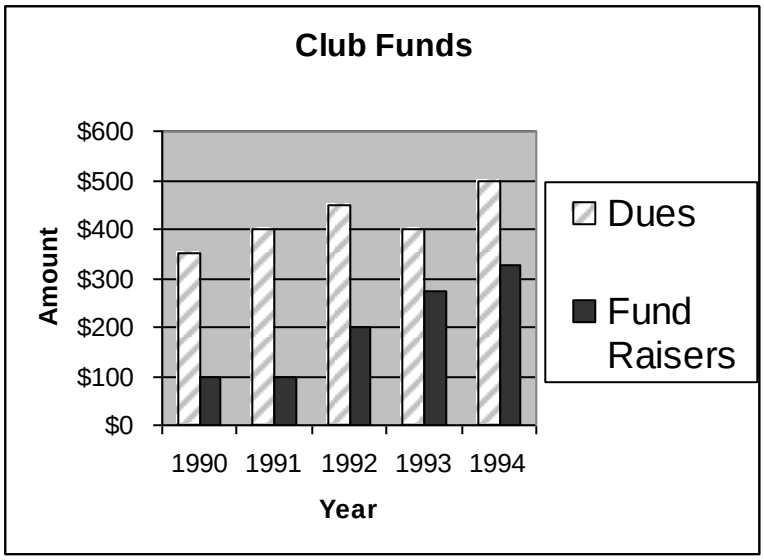
A. 20% = .20 = $\frac{1}{5}$ B. 78% = .78 = $\frac{7}{8}$ C. 35 % = .35 = $\frac{1}{3}$ D. 55% = .11 = $\frac{11}{20}$

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

A. 6 sandwiches
B. 9 sandwiches
C. 12 sandwiches
D. 18 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 least difference between the fund from dues and the funds from fund raisers?

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



24. Convert 482 inches into feet

A. 40.6ft B. 5784 ft C. $40\frac{1}{6}$ ft D. 42.8 ft

25. Convert 5.24 kilograms into grams

A. 0.524 grams
B. 52.4 grams
C. 524 grams
D. 5240 grams.

26. 15% of 120 is what number?

A. 8
B. 80
C. 18
D. 180

27. 10% of what number is 15?

A. 150
B. 1.5
C. 1500
D. 0.15

28. What percent of 15 is 20?

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

29. Convert 120% to a decimal.

A. .120 B. 1.20 C. 12.0 D. 1200

30. Convert 76% to a fraction

A. $\frac{7}{6}$ B. $\frac{19}{25}$ C. $\frac{6}{7}$ D. $\frac{3}{4}$

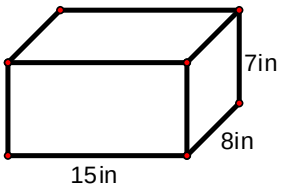
31. The sandwich shop is having a "Best Deal Week." But only one of their "deals" is the "best" one. Which one is it?

A. $2.83 for 3 sandwiches
B. $3.32 for 4 sandwiches
C. $3.80 for 5 sandwiches
D. $4.74 for 6 sandwiches

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

x	y
2	4
5	10
6	12
9	

A. 11
B. 14
C. 18
D. 27



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

A. 281 in^2
B. 532 in^2
C. 562 in^2
D. 840 in^2

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

A. 120 in^3
B. 532 in^3
C. 562 in^3
D. 840 in^3

35. A pair of sneakers has a price tag of $80. Justin found some coupons that would give him a discount.

One coupon says

Snappy Sneakers
20% off

Another coupon says

¼ 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