1. What operation makes this equation true?

   168 ☐ 21 = 8

   A. + B. – C. x D. ÷

2. The standard form of forty two and four hundred, thirty three ten thousandths is

   A. 42.433
   B. 42.00433
   C. 42.0433
   D. 420.433

3. Estimate the product

$$\begin{array}{r} 30.402 \\ \times\ 5.2 \\ \hline \end{array}$$

   A. 1500
   B. 80
   C. 150
   D. 800

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

   A. $1\frac{5}{13}$ B. 6 C. 7 D. $1\frac{4}{5}$

5. Using the distributive property $6(9 + 11)$ is equal to

   A) $(6+9) \bullet (6 + 11)$ B) $6 + 9 + 11$ C) $6 \bullet 9 \bullet 11$ D) $(6 \bullet 9) + (6 \bullet 11)$

6. A race started at exactly 8:04 AM and ended at 10:42 AM. 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 .06?

A. $\frac{1}{6}$ B. $\frac{6}{10}$ C. $\frac{1}{600}$ D. $\frac{3}{50}$

8. 100 x 0.426 =

A. 4.26
B. .00426
C. 426
D. 42.6

9. $0.69\overline{)17.664}$

A) 25.6
B) 256
C) 2.56
D) 2560

10. Estimate the quotient: 54.2 ÷ 9.4

A. 5
B. 6
C. 7
D. 8

11. $12\ \frac{1}{4}$

$-\ 7\ \frac{5}{6}$

A. $6\frac{5}{12}$ B. $5\frac{5}{12}$ C. $19\frac{6}{10}$ D. $5\frac{7}{12}$

12. What is the reciprocal of $4\frac{1}{2}$?

A. $4\frac{2}{1}$ B. $\frac{7}{2}$ C. $\frac{2}{9}$ D. $\frac{2}{7}$

13. Estimate the product $2\frac{3}{4}$ **x** $5\frac{1}{3}$

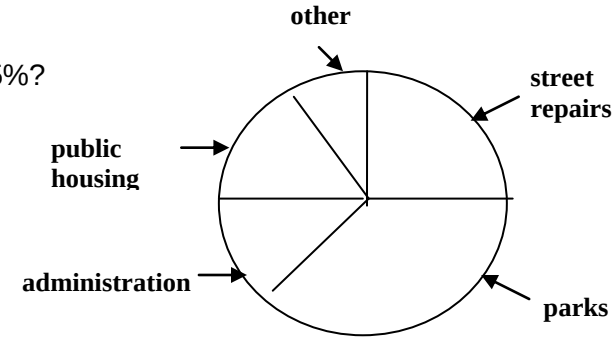
A. 10
B. 15
C. 12
D. 9

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



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

128, 32, 8, ____

A. 0 B. $\frac{1}{4}$ C. 2 D. 4

17. Convert $\frac{5}{6}$ to a percent**.**

A. 56% B. 80% C. 90% D. $83\frac{1}{3}\%$

18. Given the replacement set {12, 9, 14, 7}, what must *n* be to make the sentence true?

$$7n - 9 = 40$$

A. 12 B. 7 C. 9 D. 14

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:	15	12	11	8	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. 9 points B. 8 points C. 12 points D. 11 points

21. Which of the following statements is true?

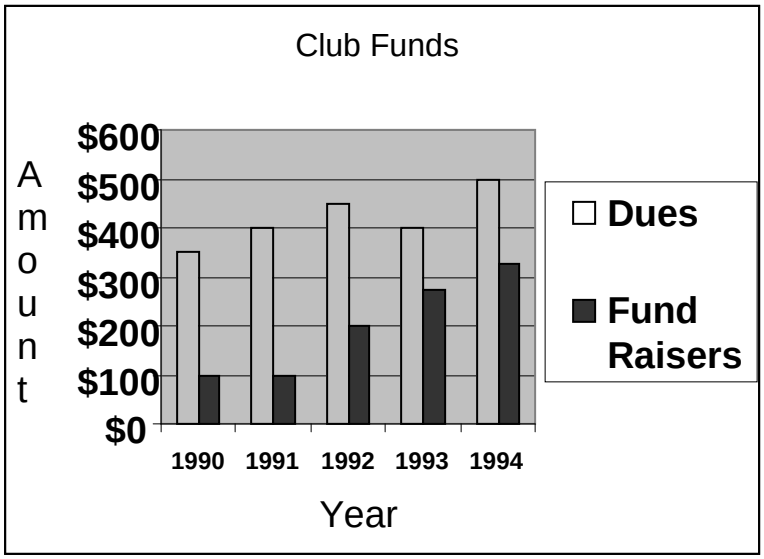
A. 60% = .60 = $\frac{3}{5}$ B. 28% = .28 = $\frac{2}{8}$ C. 45 % = .45 = $\frac{4}{5}$ D. 75% = .34 = $\frac{3}{4}$

22. A sixth grade club is selling sandwiches. They are selling ham, turkey, roast beef, 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. 8 sandwiches
B. 15 sandwiches
C. 18 sandwiches
D. 24 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 greatest difference between the funds from dues and the funds from fund raisers?

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



24. Convert 794 inches into feet

A. 66.6ft B. 6616 ft C. $66\frac{1}{6}$ ft D. 67 ft

25. Convert 3.61 kilograms into grams.

A. 0.361 grams
B. 36.1 grams
C. 361 grams
D. 3610 grams

26. 40% of 240 is what number?

A. 9
B. 90
C. 96
D. 120

27. 20% of what number is 16?

A. 80
B. 8
C. 800
D. 0.8

28. What percent of 25 is 50?

A. 100% B. 150% C. 200% D. 250%

29. Convert 120% to a decimal.

A. 6.2 B. .62 C. 0.062 D. 620

30. Convert 32% to a fraction.

A. $\frac{2}{3}$ B. $\frac{8}{25}$ C. $\frac{8}{32}$ D. $\frac{1}{4}$

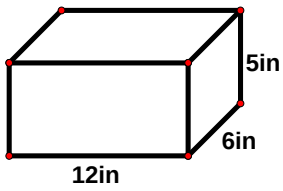
31. The sandwich shop is having a "Best Deal Week." But only one of their "deals" is the "best" one. Which one is it?

A. $3.83 for 3 sandwiches
B. $4.32 for 4 sandwiches
C. $4.80 for 5 sandwiches
D. $5.74 for 6 sandwiches

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

A. 6
B. 10
C. 15
D. 18

x	y
3	6
6	9
9	12
12	



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

A. 300 in^2
B. 348 in^2
C. 324 in^2
D. 360 in^2

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

A. 300 in^3
B. 348 in^3
C. 324 in^3
D. 360 in^3

35. A pair of sneakers has a price tag of $95. Justin found some coupons that would give him a discount.

One coupon says

Snappy Sneakers
20% 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