

Name _____

Choose the best answer.

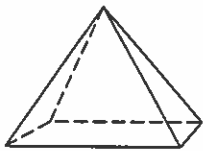
1. Which decimal has the least value?

- a. 0.85 b. 0.131
c. 0.5 d. 0.205

6. What is 75% in fraction form?

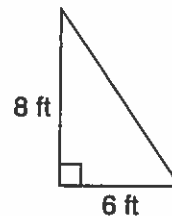
- a. $\frac{3}{4}$ b. $\frac{2}{5}$
c. $\frac{2}{3}$ d. $\frac{5}{6}$

2. How many faces does a rectangular pyramid have?



- a. 4
b. 5
c. 6
d. not given

7. Choose the area.



- a. 48 ft^2
b. 36 ft^2
c. 24 ft^2
d. 12 ft^2

3. Joe's test scores in math are 70, 85, 75, 80, and 80. Choose Joe's mean score.

- a. 75 b. 76
c. 78 d. 80

8. What is the prime factorization of 36?

- a. $2 \times 2 \times 3 \times 3$
b. $2 \times 3 \times 6$
c. 6×6
d. 4×9

4. Which is equivalent to 3.18 km?

- a. 0.318 m
b. 318 m
c. 31.8 m
d. 3180 m

9. Which metric unit would be used to measure the width of a computer screen?

- a. liter
b. kilogram
c. centigram
d. centimeter

5. Mary started to babysit at 9:30 A.M. and finished at 3:00 P.M. What is the total number of hours Mary babysat?

- a. $5\frac{1}{2}$ h b. $3\frac{1}{2}$ h
c. $6\frac{1}{2}$ h d. $12\frac{1}{2}$ h

10. The volume of a cube with an edge of 9 cm is equal to:

- a. 18 cm^3 b. 27 cm^3
c. 81 cm^3 d. 729 cm^3

Choose the best answer.

11. Li was absent from school 17 days and present 170 days. What is the ratio of days present to the number of days absent?

- a. 17 : 187 b. 10 : 1
c. 170 : 187 d. 1 : 10

16. Add.

$$\begin{array}{r} 9 \text{ ft } 4 \text{ in.} \\ + 12 \text{ ft } 11 \text{ in.} \\ \hline \end{array}$$

- a. 23 ft 5 in. b. 21 ft 3 in.
c. 22 ft 15 in. d. 22 ft 3 in.

12. Winnie bought a video recorder on sale for 20% off the regular price of \$180. How much did Winnie pay for the video recorder?

- a. \$36
b. \$144
c. \$160
d. \$216

17. What is the distance, in miles, between two cities that are $3\frac{1}{2}$ in. apart on a map drawn to the scale $\frac{1}{2}$ in. = 200 mi?

- a. 350 mi
b. 700 mi
c. 1200 mi
d. 1400 mi

13. One letter is chosen at random from the word EXCEED. What is the probability that the letter is an E?

- a. $\frac{2}{3}$
b. $\frac{1}{6}$
c. $\frac{1}{8}$
d. $\frac{1}{2}$

18. Which statement is true?

- a. $+3 \times -2 = +3 \times +2$
b. $-4 \div -1 = +8 \div +8$
c. $+5 + -8 = -2 + -1$
d. $-2 - -1 = -1 - -2$

14. Ray paid a sales tax of 8% on a book priced at \$6.50. How much sales tax did Ray pay?

- a. \$.98
b. \$.48
c. \$.52
d. \$.08

19. The total cost of 3 cans of soup is \$.89. What is the total cost of 12 cans?

- a. \$2.67
b. \$3.89
c. \$3.56
d. \$10.68

15. A certain bus has a capacity of 40 people. What is the least number of trips the bus must make to carry a total of 180 people?

- a. 220 trips b. 140 trips
c. 4 trips d. 5 trips

20. The perimeter and area of a square both equal 16 square inches. What is the length of one side of the square?

- a. 6 in. b. 2 in.
c. 8 in. d. 4 in.

Choose the best answer.

21. Round 6.347 to the nearest hundredth.

- a. 0.635
- b. 6.34
- c. 6.35
- d. 6.4

26. Rename.

$$22 \text{ qt} = \underline{?}$$

- a. 40 pt
- b. $5\frac{1}{2}$ gal
- c. 40 c
- d. 11 pt

22. Choose the missing number.

$$\frac{6}{9} = \frac{42}{n}$$

- a. 12
- b. 63
- c. 54
- d. 18

27. Which shows $\frac{20}{32}$ in simplest form?

- a. $1\frac{3}{5}$
- b. $\frac{2}{3}$
- c. $\frac{10}{16}$
- d. $\frac{5}{8}$

23. Which shows 3 billion in expanded form?

- a. $3 \times 100,000,000$
- b. $3 \times 10,000,000,000$
- c. $3 \times 1,000,000,000$
- d. $3 \times 1,000,000$

28. $16 \div 1\frac{1}{3}$

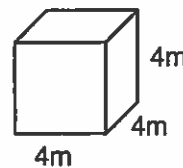
- a. 12
- b. 16
- c. $9\frac{1}{2}$
- d. not given

24. Compare.

$$3\frac{7}{8} \underline{?} 3\frac{5}{6}$$

- a. <
- b. >
- c. =

29. Choose the surface area.



- a. 24m^2
- b. 96m^2
- c. 64m^2
- d. 48m^2

25. Choose the polygons used in the tessellation.



- a. rhombus, triangle
- b. triangle
- c. parallelogram, triangle
- d. square, triangle

30. Choose the number that makes the equation true.

$$(5 \times 7) \div \underline{?} = 5$$

- a. 5
- b. 35
- c. 7
- d. not given

Choose the best answer.

31. Choose the mode of this set of data.
27, 28, 30, 29, 28, 31, 26

- a. 28
- b. 30
- c. 31
- d. not given

36. Choose the quotient.

$$5 \overline{)386,915}$$

- a. 75,365
- b. 75,383
- c. 77,383
- d. not given

32. Which fraction names the ratio
154 to 14?

- a. $\frac{10}{1}$
- b. $\frac{1}{11}$
- c. $\frac{11}{1}$
- d. $\frac{10}{100}$

37. What is 75% of 1250?

- a. 112.5
- b. 937.5
- c. 93.75
- d. not given

33. Choose the missing length.

$$650 \text{ mm} = \underline{\quad} \text{ m}$$

- a. 0.065
- b. 0.65
- c. 6.5
- d. 65

38. $3\frac{3}{5} \div 2\frac{3}{10}$

- a. $1\frac{3}{10}$
- b. $5\frac{9}{10}$
- c. $8\frac{2}{10}$
- d. $1\frac{13}{23}$

34. A container of juice holds 1.8 L. Jen used 190 mL to make a smoothie. How many milliliters of juice are left?

- a. 0.8 mL
- b. 80 mL
- c. 161 mL
- d. 1610 mL

39. Kris has 3 boxes. Each weighs 4 lb 8 oz. Find the total weight of the 3 boxes.

- a. 13 lb 16 oz
- b. 12 lb 8 oz
- c. 13 lb 8 oz
- d. not given

35. Choose the volume of a rectangular prism with a length of 2 m, a width of 0.7 m, and a height of 5 m.

- a. 10.7 m^3
- b. 7.7 m^3
- c. 7 m^3
- d. not given

40. **Tell About It**

Solve. Explain how you solved the problem.

Which type of graph shows how a whole is divided into fractional parts?

Name _____

Choose the best answer.

1. Name the polygon.



- a. hexagon
- b. heptagon
- c. octagon
- d. nonagon

6. Estimate the product.

$$\begin{array}{r} 0.167 \\ \times 28.23 \\ \hline \end{array}$$

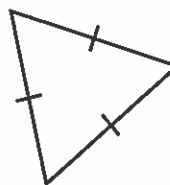
- a. 3
- b. 4
- c. 6
- d. not given

2. What is the value of the underlined digit?

6.487

- a. 8
- b. 0.8
- c. 0.08
- d. 0.008

7. Classify the triangle.



- a. scalene
- b. isosceles
- c. obtuse
- d. equilateral

3. Choose the value of n .

$$n \div 1000 = 0.035$$

- a. 350
- b. 35
- c. 0.35
- d. not given

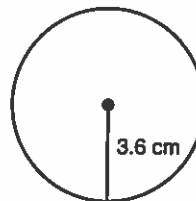
8. $2.415 - 1.079$

- a. 1.336
- b. 1.346
- c. 3.494
- d. not given

4. Choose the expanded form.
8.016

- a. $8 + 0.01 + 0.006$
- b. $8 + 0 + 0.1 + 0.006$
- c. $8 + 0.1 + 0.06$
- d. not given

9. Choose the circumference of the circle.



- a. 22.608 cm
- b. 226.08 cm
- c. 11.304 cm
- d. not given

5. The difference between 0.39 and another number is 0.877. What is the other number?

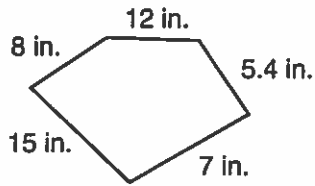
- a. 0.487
- b. 1.257
- c. 1.267
- d. 1.167

10. Kim paid a total of \$86.76 for 3 sweaters. How much did she pay for each?

- a. \$28.81
- b. \$28.92
- c. \$27.19
- d. not given

Choose the best answer.

11. Choose the perimeter.



- a. 42 in.
- b. 96 in.
- c. 57.4 in.
- d. 47.4 in.

16. $32.846 + 6.2 + 9.15$

- a. 39.046
- b. 48.196
- c. 48.21
- d. not given

12. The sum of 0.98 and another number is 1.157. What is the other number?

- a. 0.177
- b. 0.277
- c. 1.177
- d. 2.137

17. The diameter of a Ferris wheel is 38 ft. What is its radius?

- a. 19 ft
- b. 18.2 ft
- c. 238.64 ft
- d. not given

13. 0.08×0.4

- a. 0.028
- b. 0.32
- c. 0.032
- d. not given

18. Estimate the quotient.

$$73 \overline{)148.235}$$

- a. 1
- b. 2
- c. 3
- d. not given

14. Classify the angle.

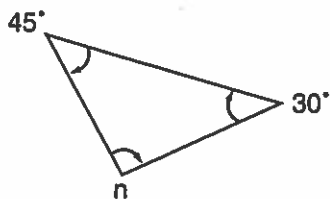


- a. acute
- b. obtuse
- c. right
- d. straight

19. $7.56 \div 3$

- a. 0.252
- b. 2.412
- c. 2.322
- d. not given

15. Choose the measure of the missing angle.



- a. 95
- b. 105
- c. 115
- d. not given

20. **Tell About It**

Solve. Explain how you solved the problem.

The sides of a quadrilateral measure 2.7 m, 4.37 m, 5.239 m, and 3.916 m. Find the perimeter.