1. A triangle has one angle that is 62 degrees and one angle that has a measure of 41 degrees. What is the measure of the third angle?

    A. 90   B. 127   C. 63   D. 77   E. NH

2. $2\frac{1}{2} \div 4\frac{2}{3} =$

    A. $\frac{15}{28}$ B. $\frac{70}{6}$ C. $11\frac{2}{3}$ D. $1\frac{13}{15}$ E. NH

3. Solve for x.   2x – 8 = 20

    A. x = 12   B. x = 14   C. 6   D. 10   E. NH

4. Which of these numbers has 3, 5 and 9 as its factors?

    A. 31, 365   B. 114, 222   C. 1,087, 002   D. 77,035   E. NH

5. Which of the following represents the longest length?

    A. 248 mm   B. 21 cm   C. 2 m   D. 0.9 km

6. What point on a number line is halfway between 4.46 and 4.67?

    A. 4.55   B. 4.56   C. 4.565   D. 6.74

7. What is the measure of the supplement to a 78 degree angle?

    A. 92   B. 282   C. 12   D. 102   E. NH

8. 8(0.8)

   A. 64   B. 6.4   C. 0.64   D. 1.6   E. NH

9. Find the difference between the Greatest Common Factor (GCF) and the Least Common Multiple (LCM) of 16 and 64.

   A. 64   B 94   C. 56   D. 48   E. NH

10. Bobby had the following grades listed on his report card: 92, 100, 88, 77, 99, 92, and 96. What is the sum of the mean and the mode of these scores?

   A. 92   B. 0   C. 184   D. 94   E. NH

11. 65% of the Student Council members voted yes on a survey. What fraction voted no?

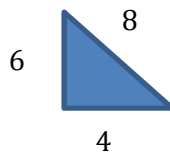   A. $\frac{13}{100}$ B. $\frac{35}{50}$ C. $\frac{7}{100}$ D. 35%   E. NH

12. If A = the number of sides in a hexagon and B = the number of sides in a nonagon, find $\frac{A^2}{18} \times B^2$.

   A. 54   B. 36   C. 162   D. 18   E. NH

13. What is the sum of the composite numbers between 15 and 25, and the prime numbers between 0 and 10?

   A. 121   B. 138   C. 139   D. 178   E. NH

14. Find the sum of the perimeter and the area of the triangle.

                  8

       6

           4

   A. 42   B. 66   C. 34   D. 30   E. NH

15. $14 \times \frac{1}{2} + 40 \div 2 \div \frac{1}{2} =$

   A. 47   B. 31   C. 57   D. 17   E. NH

16. Jose bought 5 DVD's for $9.10 each. Sales tax of 8% was added to the price. If he paid with a $100 bill, how much change should he receive?

    A. $39.14   B. $50.86   C. $40.86   D. NH

17. Express $\frac{5}{8}$ as a percent.

    A. 62%   B. 0.625%   C. 58%   D. 5.8%   E. NH

18. Roger has 36 feet of fencing around the perimeter of his back yard. If the length of his yard is twice the width, what is the width of the yard?

    A. 12 ft   B. 3 ft   C. 6 ft   D. 9 ft   E. NH

19. It takes Dylan 30 minutes to complete 6 puzzles. How long will it take him to complete the entire book of 15 puzzles?

    A. 45 min   B. 1 hour and 30 min   C. one hour   D. 1 hour and 15 min

20. What is the sum of the prime numbers between the square root of 144 and the square root of 441?

    A. 64   B. 49   C. 30   D. 36   E. NH

21. What is the product of $\frac{3}{5}$ and the reciprocal of $2\frac{3}{5}$ in simplest form?

    A. $\frac{3}{13}$ B. $1\frac{14}{25}$ C. $\frac{15}{65}$ D. $\frac{25}{39}$ E. NH

22. On Brennan's test, he got 22 out of 25 questions correct. What percentage did he answer incorrectly?

    A. 12%   B. 88%   C. 22%   D. 78%   E. NH

23. Justin bought a 40 pack of baseball cards for a discounted price of $64. If he sells 10 packs of baseball cards to a friend at cost, how much should he charge?

    A. $32   B. $16   C. $10   D. $12   D. NH

24. Find 80% of 115. Find 50% of that number.

    A. 92   B. 90   C. 46   D. 45   E. NH

25. The distance of the Rio Grande is 3.5 inches on a map. If the map scale is $\frac{1}{2} inc = 2\ miles$, what is the distance of the Rio Grande?

    A. 16 miles   B. 12 miles   C. 10 miles   D. 14 miles

TB1.) Find the area of a equilateral triangle with a base of 12 meters and a height of 16 meters.

TB2.) At the grocery store, boxes of noodles were on sale for 3 boxes for $6. The regular price was $2.59 per box. If Sandy bought 12 boxes how much did she save?

TB3.) Convert half of a mile, three yards, and two feet into total feet.

1. D

2.) A

3.) B

4.) A

5.) D

6.) C

7.) D

8.) B

9.) D

10.) C

11.) E   7/20

12.) C

13.) B

14.) D

15.) A

16.) B

17.) E   62.5%

18.) C

19.) D

20.) B

21.) A

22.) A

23.) B

24.) C

25.) D

TB1.) 96 meters

TB2.) $7.08

TB3.) 2,652