1. A sofa sells for $520. If the retailer makes a 30% profit, what was the wholesale price?
   a.) $400  b.) $676  c.) $490  d.) $364

2. Kevin is buying fabric for new curtains. There are three windows, each 35 inches wide. Kevin needs to buy fabric equal to 2 \( \frac{1}{2} \) times the total width of the windows. How much fabric should he buy?
   a.) 262 \( \frac{1}{2} \) in   b.) 175 \( \frac{1}{2} \) in   c.) 210 \( \frac{3}{4} \) in   d.) 326 \( \frac{1}{4} \) in

3. During an eight-hour workday, Bob spends two hours on the phone. What fraction of the workday does he spend on the phone?
   a.) \( \frac{1}{5} \)   b.) \( \frac{1}{3} \)   c.) \( \frac{1}{4} \)   d.) \( \frac{1}{8} \)

4. Find the time between 9:45:12 am and 1:33:19 pm.

5. If a bus weighs 2.5 tons, how many pounds does it weigh? (one ton = 2000 pounds)
   a.) 800 lbs   b.) 4500 lbs   c.) 5000 lbs   d.) 5500 lbs

6. 24 - 3 \times 7 + 2 =
   a.) 5   b.) 149   c.) -3   d.) 189

7. If cleaning costs $32 for 4 hours, how much is it for 10.5 hours?
   a.) $112.50   b.) $87   c.) $84   d.) $76.50

8. A rectangle has an area of 625 squares meters. Its length is 25 meters. How wide is the rectangle?
   a.) 25 m   b.) 20 m   c.) 125 m   d.) 600 m

9. Skateboard T-shirts that were selling for $15.00 have been discounted 25%. A blue light special reduces the sale price an additional 15% of the sale price. What is the T-shirt price with the blue light special?
   a.) $9.00   b.) $6.00   c.) $6.56   d.) $9.56
10. What is the range of the following numbers: 34, 14, 43, 35, 45, 18, 33, 42?
   a.) 31   b.) 32   c.) 26   d.) 19

11. If you throw 2 fair six-sided dice, how many different ways can you get a sum of 7?
   a.) 3   b.) 4   c.) 5   d.) 6

12. In the local Two Dot, MT paper, there are 5 houses listed for sale in the classifieds. Their prices are $38500, $41300, $39600, $42100, and $235000. Using these numbers, which of the following is the best statistic to use to represent the cost of a house in Two Dot?
   a.) mean   b.) median  c.) mode   d.) range

13. Solve $x + 43 = -18$
   a.) -25   b.) 61   c.) -61   d.) 25

14. In Fairfield, MT on December 24, 1924, the temperature changed from 63° at noon to -21° at midnight. What is the temperature change?
   a.) -84°   b.) 84°   c.) -42°   d.) 42°

15. In every right triangle, two sides are always
   a.) equal in length   b.) horizontal  c.) perpendicular  d.) vertical

16. Half of the 24 people in a room leave. Then, half of those who left return. How many people are now in the room?
   a.) 6   b.) 12   c.) 18   d.) 24

17. Evaluate this expression if $a = 9, c = 2, t = 11$ and $u = 0$. $6a + c + 3t + 2u$
   a.) 132   b.) 89   c.) 33   d.) 40

18. How many different ways can you score 6 points in a basketball game? (There are 1 pt, 2 pt, and 3 pt shots.)
   a.) 6   b.) 4   c.) 10   d.) 7

19. A rectangle floor rug is 2 yd by 3 yd. How many square inches will be needed to cover the floor?
   a.) 5160 in²   b.) 6494 in²   c.) 4888 in²   d.) 7776 in²

20. Solve for $x$: $3x - 2 = 16$
   a.) $x = 5$   b.) $x = 6$   c.) $x = 7.5$   d.) 4 1/3

21. Joe needs to pour a concrete floor for a garage. The floor is to be 27 feet by 30 feet by 6 inches thick. If concrete costs $76.00 per cubic yard, what is the cost of the concrete?
   a.) $307.80   b.) $910.00   c.) $1050.50   d.) $1140.00

22. What is the sum of the first four prime numbers?
   a.) 17   b.) 18   c.) 19   d.) 20
7th GRADE TEST 2011 Answer Key

1.) A
2.) A
3.) C
4.) B
5.) C
6.) A
7.) C
8.) A
9.) D
10.) A
11.) D
12.) B
13.) C
14.) A
15.) C
16.) C
17.) B
18.) D
19.) D
20.) B
21.) D
22.) A