SHOW YOUR WORK **Name:** _____

1. The average daily attendance was 750 in September, 700 in October, 775 in November, and 625 in December. Make a bar graph that displays this information.

2. The first distance was sixteen thousand and three hundred twelve ten-thousandths feet. The second distance was twenty-one thousand, twelve and thirty-six hundred-thousandths feet. How many fewer feet was the first distance than the second distance?

3. Three thousand, two hundred seven nails can be put into one box. If there are forty-one thousand, nine hundred fifty-seven nails in all, how many boxes are needed to hold them?

4. The high temperature was 84°F on Monday, 78°F on Tuesday, 87°F on Wednesday, 81°F on Thursday, and 74°F on Friday. Find the (a) range, (b) mode, (c) median, and (d) mean of these temperatures.

5. The children bought 5 notebooks for $5.40 each, 100 pencils for 30 cents each, and 11 reams of paper for $22.50 a ream. How much did they spend in all?

Evaluate:

6. $xy - 2m$ if $x = 2$, $y = 4$, and $m = 3$

7. $xym + xy$ if $x = 2$, $y = 3$, and $m = 4$

8. Convert $\frac{73}{6}$ to a mixed number.

9. (a) List the prime numbers between 36 and 52.
   (b) List the multiples of 7 between 36 and 52.

10. Convert $5\frac{2}{3}$ to an improper fraction.

Simplify:

11. $\frac{3}{4} + \frac{3}{8} + \frac{1}{3}$

12. $\frac{5}{9} - \frac{2}{5} + \frac{1}{3}$

13. $3 + 5 \cdot 2 - 3 \cdot 2 + 1$

14. $4 + 3(3) - 5 \cdot 2$

15. 4^5

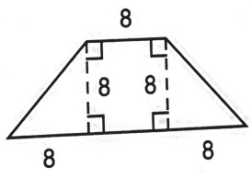
16. $\frac{3}{8} \times \frac{12}{3} \div \frac{7}{3}$

17. Find $\frac{4}{7}$ of 32.

18. Find the least common multiple of 24, 40, and 75.

19. Write $3\frac{3}{7}$ as a decimal. Round to two decimal places.

20. Find the area of this figure. Dimensions are in meters. Express your answer in square meters.



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