13A

1. The \$120 repair bill included \$36 What percent of the bill was for for parts and the rest for labor.

2. Five students measured the mass of the rock. Their readings were

6. What is the length of a diagonal of 7. Solve and graph the solution on a number line: and 10 inches wide? a rectangle that is 24 inches long

99.0 g. Find the mean and mediar of these measures. 97.3 g, 99.2 g, 98.4 g, 98.6 g, and

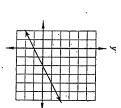
x + 2 < 3

8. Write the equation of this line in slope-intercept form.

3. A vertical yard stick casts a shadow

24 Inches at the same time that a

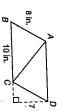
long. How tall is the flagpole? flagpole casts.a shadow 16 feet



4. The sales tax rate is $7\frac{1}{2}\%$. What si the sales tax on a \$164.00 purchase? .

5. The speedometer on Maury's car equivalent to 80 kilometers per hour. 1.6 km as the equivalent for 1 mi, hour and kilometers per hour. Using shows the speed in both miles per find the mile per hour rate that is .

> 9. A coin is tossed and a number cube is rolled. What is the probability of getting heads and an even number?



10. What is the area of the parallelogram?

11. What is the area of $\triangle ABC$?

12. If $\angle B$ measures 61°, then what is $_{54}^{6 \times 3}$ the measure of $\angle DAB$?

13. Write $\frac{5}{12}$ as a percent and a decimal.

14. What is the volume of a brick with these dimensions?



For questions 10–12 refer to parallelogram \mid For questions 15–18, simplify the expression. **15.** $4^0 + 3^1 + 2^2 - 1^3$

$$\begin{array}{ccc} 16. & 6x^2yx^5y \\ & 2x^2y \end{array}$$

18. $(4 \times 10^{-4})(3 \times 10^{-3})$

For questions 19 and 20, solve for x. **19.** $0.8 \cdot + 0.2x = 1.2$

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