**15.** Find the missing exponent:  $^{277}$   $10^4 \cdot 10^5 = 10^{\square}$ 

1. The minute hand of a clock turns

- minute hand turns what fraction of 6° per minute. In ten minutes the a full 360° turn?
- 2. A 20% tip on a \$24.00 dinner bill is how much money?
- 3. Postage costs 39¢ for the first ounce. What is the cost to mail a ounce and 24¢ for each additional 6-ounce envelope?
- 4. During the morning commute <sup>23)</sup> 96 cars and 24 trucks passed the ratio of cars to trucks? through the intersection. What is
- 5. What is the total price of 3.2 pounds of apples at 80¢ per pound?

6. A tile installer charges \$12 per the size shown? is the cost to install tile in a room of square foot to install floor tile. What



7. At \$32 per hour, how much would a worker earn on a  $2\frac{1}{2}$  hour job?

Refer to the triangle for questions 8 and 9.

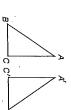


- 8. What is the perimeter of the triangle?
- 9. The triangle is a right triangle. It is
- A left
- B. equilateral
- C. isosceles
- D. scalene

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- and as a reduced fraction.
- 12. Convert  $\frac{5}{6}$  to a decimal with a bar over the repetend.
- 13. Earth's average distance from the call Sun is about 93,000,000 miles. Express that number in scientific notation.
- **14.** Triangle ABC is transformed to  $^{(28)}$  triangle A'B'C' by a



- A. translation
- B. rotation
- C. reflection
- D. dilation

- 10. What is the area of a triangle with  $\frac{6m^{-1}}{20}$  vertices at (-1, -1), (3, -1), and (2, 2).
- 11. Write 40% as a decimal number **16.** Solve by inspection:  $\frac{t+2}{3} = 4$
- expression. For questions 17-20, simplify the  $17. \frac{1}{2} + \frac{1}{3} \cdot \frac{1}{4}$
- **18.** 1.2 + 0.36
- **19.**  $5^{\circ} + 4 3 \cdot 2 + 1$  gr, 27)
- 20.  $\frac{x^3 \cdot x^4}{x^5}$

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