

DIRECTIONS: Solve.

1. $\frac{5}{16}$ of $\frac{4}{5}$ of a number is 15. Find the number.
2. 12 is $\frac{3}{5}$ of $\frac{10}{21}$ of a number. Find the number.
3. 30 is 20% of 30% of a number. Find the number.
4. 75% of 60% of a number is 36. Find the number.
5. Pump A can unload the petroleum from a ship in 30 hours and Pump B can unload it in 24 hours. Because of an approaching storm, both pumps were used on a certain ship. How long did they take (together) to empty the ship?
6. An old conveyor belt takes 21 hours to move one day's coal output from the mine to the rail line. A new belt can do it in 15 hours. How long does it take when both are used at the same time?

