



Assignment: Use proportions to find the missing value

- 1) 8 inches in 25 minutes ; 28 inches in x minutes

- 2) 3 gallons in 7 hours ; x gallons in 20 hours

- 3) Jane ran 100 meters in 15 seconds. How long did she take to run 2 meter?

- 4) A car travels 125 miles in 3 hours. How far would it travel in 5 hours?

- 5) Arthur is typing a paper that is 390 words long. He can type 30 words in a minute. How long will it take for him to type the paper?

- 6) The recipe for mint chocolate ice cream require $2\frac{1}{4}$ cups of cream for 5 people. How many cups would be required for 8 people?

- 7) Justin is making snowballs to build a fort during his winter break. He can build 15 snowballs in an hour but 2 snowballs melt every 15 minutes. How long will it take to make 210 snowballs?



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- 8) The grocery store parking lot would hold 1000 vehicles. $\frac{2}{5}$ of the parking spaces were for cars. There were 200 cars parked and some trucks in the parking lot. $\frac{3}{4}$ of the parking lot was full. How many trucks were in it?
- 9) John ate $\frac{4}{7}$ of his birthday cake. His friend ate $\frac{1}{2}$ of what was left. What fraction was the cake remaining?
- 10) When the birthday cake was about to be served, you were told you could have 0.6, 60%, $\frac{3}{5}$, 6 % . Which 3 will give you the same portion?