

Solve each problem.

- 1) A water hose had filled up $\frac{1}{2}$ of a pool after $\frac{1}{8}$ of an hour. At this rate, how many hours would it take to fill the pool?
- 2) A snail going full speed was taking $\frac{1}{5}$ of a minute to move $\frac{1}{5}$ of a centimeter. At this rate, how long would it take the snail to travel a centimeter?
- A pencil making machine took $\frac{1}{7}$ of a second to make enough pencils to fill $\frac{1}{2}$ of a box. At this rate, how long would it take the machine to fill the entire box?
- A dejuicer was able to squeeze a pint of juice from $\frac{1}{7}$ bag of oranges. This amount of juice filled up $\frac{1}{2}$ of a jug. At this rate, how many bags will it take to fill the entire jug?
- Debby spent $\frac{1}{5}$ of an hour playing on her phone. That used up $\frac{1}{4}$ of her battery. How long would she have to play on her phone to use the entire battery?
- While exercising Paul walked $\frac{1}{3}$ of a mile in $\frac{1}{4}$ of an hour. At this rate, how far will he have travelled after an hour?
- 7) A carpenter used $\frac{1}{8}$ of a box of nails while working on a birdhouse and was able to finish $\frac{1}{3}$ of it. At this rate, how many boxes will he need to finish the entire birdhouse?
- 8) A chef used $\frac{1}{6}$ of a bag of potatoes to make $\frac{1}{9}$ of a gallon of stew. If he wanted to make a full gallon of stew how many bags of potatoes would he need?
- 9) A restaurant took $\frac{1}{4}$ of an hour to use $\frac{1}{3}$ of a package of napkins. At this rate, how many hours would it take to use the entire package?
- 10) A water hose had filled up $\frac{1}{9}$ of a pool after $\frac{1}{4}$ of an hour. At this rate, how many hours would it take to fill the pool?

Answers

1. _____

2.

3.

4. _____

5. _____

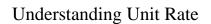
6. ____

7. _____

8. _____

9. _____

10. _____





Answer Key

Name:

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Answers

- $\frac{2}{8}$ hour
- 2. **1 minute**
- $\frac{2}{7}$ second
- $\frac{2}{7}$ bag
- $\frac{4}{5}$ hour
- $1\frac{1}{3}$ miles
- 7. $\frac{3}{8}$ box
- $_{8.}$ $1\frac{3}{6}$ bags
- $\frac{3}{4}$ hour
- 10. **4**/9 hour