Solve each problem.

1) A water hose had filled up $\frac{1}{7}$ of a pool after $\frac{1}{7}$ of an hour. At this rate, how many hours would it take to fill the pool?

1. _____

2. _____

2) A snail going full speed was taking $\frac{1}{6}$ of a minute to move $\frac{1}{10}$ of a centimeter. At this rate, how long would it take the snail to travel a centimeter?

3. _____

4. _____

3) A pencil making machine took $\frac{1}{8}$ of a second to make enough pencils to fill $\frac{1}{5}$ of a box. At this rate, how long would it take the machine to fill the entire box?

5. _____

6. _____

4) A dejuicer was able to squeeze a pint of juice from $\frac{1}{7}$ bag of oranges. This amount of juice filled up $\frac{1}{7}$ of a jug. At this rate, how many bags will it take to fill the entire jug?

7. _____

8. _____

5) Haley spent $\frac{1}{5}$ of an hour playing on her phone. That used up $\frac{1}{2}$ of her battery. How long would she have to play on her phone to use the entire battery?

9. _____

10. _____

6) While exercising Ned walked $\frac{1}{7}$ 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 $\frac{1}{10}$ of a box of nails while working on a birdhouse and was able to finish $\frac{1}{5}$ 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 $\frac{1}{3}$ 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 $\frac{1}{4}$ 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 $\frac{1}{2}$ of a pool after $\frac{1}{10}$ of an hour. At this rate, how many hours would it take to fill the pool?

Math

Solve each problem.

1) A water hose had filled up $\frac{1}{7}$ of a pool after $\frac{1}{7}$ of an hour. At this rate, how many hours would it take to fill the pool?

1. **1 hour**

2) A snail going full speed was taking $\frac{1}{6}$ of a minute to move $\frac{1}{10}$ of a centimeter. At this rate, how long would it take the snail to travel a centimeter?

2. **$1\frac{4}{6}$ minutes**

3) A pencil making machine took $\frac{1}{8}$ of a second to make enough pencils to fill $\frac{1}{5}$ of a box. At this rate, how long would it take the machine to fill the entire box?

3. **$\frac{5}{8}$ second**

4) A dejuicer was able to squeeze a pint of juice from $\frac{1}{7}$ bag of oranges. This amount of juice filled up $\frac{1}{7}$ of a jug. At this rate, how many bags will it take to fill the entire jug?

4. **1 bag**

5) Haley spent $\frac{1}{5}$ of an hour playing on her phone. That used up $\frac{1}{2}$ of her battery. How long would she have to play on her phone to use the entire battery?

5. **$\frac{2}{5}$ hour**

6) While exercising Ned walked $\frac{1}{7}$ of a mile in $\frac{1}{4}$ of an hour. At this rate, how far will he have travelled after an hour?

6. **$\frac{4}{7}$ mile**

7) A carpenter used $\frac{1}{10}$ of a box of nails while working on a birdhouse and was able to finish $\frac{1}{5}$ of it. At this rate, how many boxes will he need to finish the entire birdhouse?

7. **$\frac{5}{10}$ box**

8) A chef used $\frac{1}{6}$ of a bag of potatoes to make $\frac{1}{3}$ of a gallon of stew. If he wanted to make a full gallon of stew how many bags of potatoes would he need?

8. **$\frac{3}{6}$ bag**

9) A restaurant took $\frac{1}{4}$ of an hour to use $\frac{1}{4}$ of a package of napkins. At this rate, how many hours would it take to use the entire package?

9. **1 hour**

10) A water hose had filled up $\frac{1}{2}$ of a pool after $\frac{1}{10}$ of an hour. At this rate, how many hours would it take to fill the pool?

10. **5 hours**