

Name:

Solve each problem. Answer as a mixed number (if possible).

1) A carpenter goes through $2\frac{2}{6}$ boxes of nails finishing $\frac{4}{5}$ of a roof. How much would he use finishing the entire roof?

1. _____

Answers

2) A container with $2\frac{1}{3}$ gallons of weed killer can spray $2\frac{4}{5}$ lawns. How many gallons would it take to spray 5 lawns?

2. _____

3) A bucket of water was $\frac{1}{6}$ full, but it still had $3\frac{2}{4}$ gallons of water in it. How much water would be in one fully filled bucket?

5. ____

4) It takes $3\frac{4}{6}$ spoons of chocolate syrup to make $\frac{1}{2}$ of a gallon of chocolate milk. How many spoons of syrup would it take to make 1 gallon of chocolate milk?

6.

A machine made $2\frac{3}{4}$ pencils in $3\frac{1}{2}$ minutes. How many pencils would the machine have made after 4 minutes?

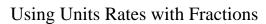
6) It takes $2\frac{1}{4}$ kilometers of thread to make $3\frac{2}{4}$ boxes of shirts. How many kilometers of thread will it take to make 2 boxes?

9. _____

7) A cookie recipe called for $3\frac{2}{4}$ cups of sugar for every $\frac{1}{4}$ cup of flour. If you made a batch of cookies using 1 cup of flour, how many cups of sugar would you need?

10.

- 8) A water faucet leaked $3\frac{1}{4}$ liters of water every $\frac{4}{6}$ of an hour. It leaked at a rate of how many liters per hour?
- 9) A bike tire was $\frac{3}{5}$ full. It took a small air compressor $3\frac{1}{5}$ seconds to fill it up. How long would it have taken to fill an empty tire?
- 10) A chef had to fill up $2\frac{3}{4}$ containers with mashed potatoes. He ended up using $2\frac{1}{5}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up 3 containers?





Answer Key

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Answers

- $\frac{2^{22}}{24}$
- 2. **4** $\frac{7}{42}$
 - **21**
- 4. $7\frac{2}{6}$
- $\frac{3}{28}$
- 6. $1^{16}/_{56}$
- 7. **14**
- 8. 4 ¹⁴/₁₆
- 9. $5\frac{5}{15}$
- $\frac{2^{22}}{55}$



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 $1^{16}/_{56}$

21

 $2^{22}/_{55}$

 $7\frac{2}{6}$

 $4^{14}/_{16}$

 $4^{7}/_{42}$

 $2^{22}/_{24}$

 $5\frac{5}{15}$

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14

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- 1.
- 2..
- 3.
- 4. _____
- 5. _____
- 6. _____
- 7. _____
- 8. _____
- 9.
- 10. ____