



Using Units Rates with Fractions

Name: _____

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

- 1) A container with $3\frac{1}{3}$ liters of weed killer can spray $\frac{4}{6}$ of a lawn. How many liters would it take to spray 1 entire lawn?

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

- 3) It takes $2\frac{1}{2}$ yards of thread to make $\frac{1}{2}$ of a sock. How many yards of thread will it take to make an entire sock?

- 4) A bag with $3\frac{3}{4}$ ounces of peanuts can make $\frac{1}{2}$ of a jar of peanut butter. It can make one full jar with how many ounces of peanuts?

- 5) A machine made $2\frac{1}{2}$ pencils in $3\frac{1}{2}$ minutes. How many pencils would the machine have made after 6 minutes?

- 6) A chef had to fill up $2\frac{3}{6}$ containers with mashed potatoes. He ended up using $3\frac{1}{3}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up 4 containers?

- 7) It takes $3\frac{3}{6}$ gallons of water to fill up $2\frac{1}{2}$ containers. How much water would it take to fill 3 containers?

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

- 9) A tire shop had to fill $2\frac{1}{3}$ tires with air. It took a small air compressor $2\frac{2}{6}$ seconds to fill them up. How long would it take to fill 8 tires?

- 10) A carpenter goes through $3\frac{3}{4}$ boxes of nails finishing $\frac{1}{2}$ of a roof. How much would he use finishing the entire roof?

Answers

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



Using Units Rates with Fractions

Name: **Answer Key**

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

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Answers

1. $5\frac{0}{12}$

2. $5\frac{2}{4}$

3. $5\frac{0}{2}$

4. $7\frac{2}{4}$

5. $4\frac{4}{14}$

6. $5\frac{15}{45}$

7. $4\frac{6}{30}$

8. $2\frac{0}{42}$

9. $8\frac{0}{42}$

10. $7\frac{2}{4}$



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