



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

- 1) It takes  $3\frac{1}{3}$  kilometers of thread to make  $3\frac{1}{2}$  boxes of shirts. How many kilometers of thread will it take to make 6 boxes?
- 2) A water faucet leaked  $2\frac{2}{6}$  liters of water every  $\frac{4}{6}$  of an hour. It leaked at a rate of how many liters per hour?
- 3) A machine made  $2\frac{1}{2}$  pencils in  $\frac{4}{6}$  of a minute. It made pencils at a rate of how many per minute?
- 4) A cookie recipe called for  $3\frac{1}{2}$  cups of sugar for every  $3\frac{1}{4}$  cups of flour. If you made a batch of cookies using 5 cup of flour, how many cups of sugar would you need?
- 5) It takes  $3\frac{4}{6}$  gallons of water to fill up  $3\frac{1}{2}$  containers. How much water would it take to fill 6 containers?
- 6) A tire shop had to fill  $3\frac{1}{3}$  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 6 tires?
- 7) A bag with  $2\frac{3}{4}$  quarts of peanuts can make  $3\frac{3}{4}$  jars of peanut butter. How many quarts of peanuts would you need to make 6 jars?
- 8) It takes  $2\frac{1}{2}$  spoons of chocolate syrup to make  $\frac{1}{3}$  of a gallon of chocolate milk. How many spoons of syrup would it take to make 1 gallon of chocolate milk?
- 9) A chef had to fill up  $\frac{1}{3}$  of a container with mashed potatoes. He ended up using  $2\frac{1}{4}$  pounds of mashed potatoes. How many pounds would he use if he had to fill up the entire container?
- 10) A printer cartridge with  $2\frac{2}{3}$  milliliters of ink will print off  $3\frac{1}{2}$  reams of paper. How many milliliters of ink will it take to print 5 reams?

Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_



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Answers

1.  $5\frac{15}{21}$
2.  $3\frac{12}{24}$
3.  $3\frac{6}{8}$
4.  $5\frac{10}{26}$
5.  $6\frac{12}{42}$
6.  $4\frac{12}{60}$
7.  $4\frac{24}{60}$
8.  $7\frac{1}{2}$
9.  $6\frac{3}{4}$
10.  $3\frac{17}{21}$



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$6 \frac{3}{4}$

$4 \frac{24}{60}$

$5 \frac{10}{26}$

$6 \frac{12}{42}$

$3 \frac{6}{8}$

$4 \frac{12}{60}$

$3 \frac{12}{24}$

$3 \frac{17}{21}$

$7 \frac{1}{2}$

$5 \frac{15}{21}$

**Answers**

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

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