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

- 1) A machine made $2\frac{1}{5}$ pencils in $2\frac{3}{5}$ minutes. How many pencils would the machine have made after 9 minutes?

Answers

- A bucket of water was $\frac{1}{4}$ full, but it still had $2\frac{1}{2}$ gallons of water in it. How much water would be in one fully filled bucket?
- 3) It takes $2\frac{1}{3}$ spoons of chocolate syrup to make $\frac{5}{6}$ of a gallon of chocolate milk. How many spoons of syrup would it take to make 1 gallon of chocolate milk?
- A tire shop had to fill $3\frac{4}{6}$ tires with air. It took a small air compressor $3\frac{3}{5}$ seconds to fill them up. How long would it take to fill 2 tires?
- A printer cartridge with $3^2/_5$ milliliters of ink will print off $1/_2$ of a box of paper. How many milliliters of ink will it take to print an entire box?

- 6) It takes $2\frac{3}{4}$ kilometers of thread to make $3\frac{1}{4}$ boxes of shirts. How many kilometers of thread will it take to make 8 boxes?

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

- A cookie recipe called for $2\frac{3}{5}$ cups of sugar for every $2\frac{5}{6}$ cups of flour. If you made a batch of cookies using 6 cup of flour, how many cups of sugar would you need?
- 9) A water faucet leaked $3\frac{4}{5}$ liters of water every $\frac{3}{4}$ of an hour. It leaked at a rate of how many liters per hour?
- 10) A bag with $2\frac{1}{3}$ ounces of peanuts can make $\frac{1}{3}$ of a jar of peanut butter. It can make one full jar with how many ounces of peanuts?

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Using Units Rates with Fractions

Name:

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

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$2^{12}/_{15}$	$6^{40}/_{52}$	$5^{43}/_{85}$	$\frac{4}{65}$ $\frac{7}{3}$	$7^{40}/_{65}$

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