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

1) A chef had to fill up 2 \(\frac{1}{2}\) containers with mashed potatoes. He ended up using 3 \(\frac{3}{5}\) pounds of mashed potatoes. How many pounds would he use if he had to fill up 9 containers?

2) It takes 3 \(\frac{1}{2}\) kilometers of thread to make 2 \(\frac{2}{3}\) boxes of shirts. How many kilometers of thread will it take to make 9 boxes?

3) A bag with 2 \(\frac{4}{6}\) 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?

4) A water faucet leaked 3 \(\frac{1}{5}\) liters of water over the course of 2 \(\frac{5}{6}\) hours. How many liters would it have leaked after 3 hours?

5) A printer cartridge with 3 \(\frac{1}{3}\) milliliters of ink will print off \(\frac{1}{2}\) of a box of paper. How many milliliters of ink will it take to print an entire box?

6) It takes 3 \(\frac{1}{2}\) 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?

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

8) A bike tire was \(\frac{1}{5}\) full. It took a small air compressor 3 \(\frac{1}{4}\) seconds to fill it up. How long would it have taken to fill an empty tire?

9) A machine made 3 \(\frac{1}{5}\) pencils in 2 \(\frac{4}{6}\) minutes. How many pencils would the machine have made after 4 minutes?

10) A container with 3 \(\frac{2}{3}\) liters of weed killer can spray \(\frac{4}{5}\) of a lawn. How many liters would it take to spray 1 entire lawn?
Solve each problem. Answer as a mixed number (if possible).

1) A chef had to fill up 2 1/2 containers with mashed potatoes. He ended up using 3 3/5 pounds of mashed potatoes. How many pounds would he use if he had to fill up 9 containers?

2) It takes 3 1/2 kilometers of thread to make 2 2/3 boxes of shirts. How many kilometers of thread will it take to make 9 boxes?

3) A bag with 2 4/6 ounces of peanuts can make 1/2 of a jar of peanut butter. It can make one full jar with how many ounces of peanuts?

4) A water faucet leaked 3 1/5 liters of water over the course of 2 5/6 hours. How many liters would it have leaked after 3 hours?

5) A printer cartridge with 3 1/3 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 3 1/2 spoons of chocolate syrup to make 1/2 of a gallon of chocolate milk. How many spoons of syrup would it take to make 1 gallon of chocolate milk?

7) A carpenter goes through 2 2/3 boxes of nails finishing 2/4 of a roof. How much would he use finishing the entire roof?

8) A bike tire was 1/5 full. It took a small air compressor 3 1/4 seconds to fill it up. How long would it have taken to fill an empty tire?

9) A machine made 3 1/5 pencils in 2 4/6 minutes. How many pencils would the machine have made after 4 minutes?

10) A container with 3 2/3 liters of weed killer can spray 4/5 of a lawn. How many liters would it take to spray 1 entire lawn?
Solve each problem. Answer as a mixed number (if possible).

Using Units Rates with Fractions

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Name: ____________________________

Answers

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