Name:

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

1) A machine made $2\,{}^1\!/_6$ pencils in ${}^4\!/_6$ of a minute. It made pencils at a rate of how many per minute?

1. _____

2. _____

2) A chef had to fill up ${}^5\!/_6$ of a container with mashed potatoes. He ended up using $3\,{}^1\!/_2$ pounds of mashed potatoes. How many pounds would he use if he had to fill up the entire container?

3. _____

4. _____

3) A cookie recipe called for $3\,{}^1\!/_4$ cups of sugar for every ${}^1\!/_2$ cup of flour. If you made a batch of cookies using 1 cup of flour, how many cups of sugar would you need?

5. _____

6. _____

4) A bag with $3\,{}^1\!/_4$ ounces of peanuts can make ${}^3\!/_5$ of a jar of peanut butter. It can make one full jar with how many ounces of peanuts?

7. _____

8. _____

5) A bucket of water was ${}^1\!/_2$ full, but it still had $3\,{}^1\!/_6$ gallons of water in it. How much water would be in one fully filled bucket?

9. _____

10. _____

6) A printer cartridge with $2\,{}^2\!/_5$ milliliters of ink will print off $2\,{}^4\!/_6$ reams of paper. How many milliliters of ink will it take to print 2 reams?

7) It takes $2\,{}^1\!/_2$ spoons of chocolate syrup to make ${}^3\!/_4$ of a gallon of chocolate milk. How many spoons of syrup would it take to make 1 gallon of chocolate milk?

8) It takes $2\,{}^3\!/_4$ kilometers of thread to make $3\,{}^3\!/_4$ boxes of shirts. How many kilometers of thread will it take to make 5 boxes?

9) A container with $2\,{}^2\!/_3$ gallons of weed killer can spray $3\,{}^4\!/_6$ lawns. How many gallons would it take to spray 8 lawns?

10) A carpenter goes through $2\,{}^2\!/_3$ boxes of nails finishing $3\,{}^2\!/_3$ rooves. How much would he use finishing 4 rooves?

1-10	90	80	70	60	50	40	30	20	10	0

Math

Name: **Answer Key**

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

Answers

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9) A container with $2\,^2/_3$ gallons of weed killer can spray $3\,^4/_6$ lawns. How many gallons would it take to spray 8 lawns?

10) A carpenter goes through $2\,^2/_3$ boxes of nails finishing $3\,^2/_3$ rooves. How much would he use finishing 4 rooves?

1. $3\frac{6}{24}$

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

3. $6\frac{2}{4}$

4. $5\frac{5}{12}$

5. $6\frac{2}{6}$

6. $1\frac{64}{80}$

7. $3\frac{2}{6}$

8. $3\frac{40}{60}$

9. $5\frac{54}{66}$

10. $2\frac{30}{33}$

Using Units Rates with Fractions

Name:

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10) A carpenter goes through $2\,^2/_3$ boxes of nails finishing $3\,^2/_3$ rooves. How much would he use finishing 4 rooves?

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

Math