Using Units Rates with Fractions

Name:

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

Answers

1) A bag with $3\frac{1}{2}$ ounces of peanuts can make $\frac{1}{5}$ of a jar of peanut butter. It can make one full jar with how many ounces of peanuts?

2) A machine made $3\frac{4}{5}$ pencils in $\frac{1}{3}$ of a minute. It made pencils at a rate of how many per minute?

3) A water faucet leaked $3\frac{3}{5}$ liters of water every $\frac{2}{3}$ of an hour. It leaked at a rate of how many liters per hour?

4) A container with $3\frac{1}{4}$ gallons of weed killer can spray $2\frac{2}{3}$ lawns. How many gallons would it take to spray 9 lawns?

5) A chef had to fill up $3\frac{2}{3}$ containers with mashed potatoes. He ended up using $2\frac{1}{2}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up 8 containers?

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

7) It takes $3\frac{1}{2}$ 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?

8) A carpenter goes through $2\frac{5}{6}$ boxes of nails finishing $3\frac{1}{5}$ rooves. How much would he use finishing 9 rooves?

9) A cookie recipe called for $2\frac{3}{6}$ cups of sugar for every $3\frac{2}{4}$ cups of flour. If you made a batch of cookies using 8 cup of flour, how many cups of sugar would you need?

10) A bucket of water was $\frac{1}{3}$ full, but it still had $2\frac{3}{5}$ gallons of water in it. How much water would be in one fully filled bucket?

Answers

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

Math

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

Answer Key

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

1) A bag with $3\frac{1}{2}$ ounces of peanuts can make $\frac{1}{5}$ of a jar of peanut butter. It can make one full jar with how many ounces of peanuts?

1. _____ $17\frac{1}{2}$

2. _____ $11\frac{2}{5}$

2) A machine made $3\frac{4}{5}$ pencils in $\frac{1}{3}$ of a minute. It made pencils at a rate of how many per minute?

3. _____ $5\frac{4}{10}$

4. _____ $10\frac{31}{32}$

3) A water faucet leaked $3\frac{3}{5}$ liters of water every $\frac{2}{3}$ of an hour. It leaked at a rate of how many liters per hour?

5. _____ $5\frac{10}{22}$

6. _____ $5\frac{1}{10}$

4) A container with $3\frac{1}{4}$ gallons of weed killer can spray $2\frac{2}{3}$ lawns. How many gallons would it take to spray 9 lawns?

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

8. _____ $7\frac{93}{96}$

5) A chef had to fill up $3\frac{2}{3}$ containers with mashed potatoes. He ended up using $2\frac{1}{2}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up 8 containers?

9. _____ $5\frac{60}{84}$

10. _____ $7\frac{4}{5}$

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

7) It takes $3\frac{1}{2}$ 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?

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Math

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

Answers

$5\,^{60}/_{84}$	$5\,^{4}/_{10}$	$7\,^{93}/_{96}$	$5\,^{1}/_{10}$	$11\,^{2}/_{5}$
$17\,^{1}/_{2}$	$5\,^{10}/_{22}$	$7\,^{4}/_{5}$	$10\,^{31}/_{32}$	$4\,^{2}/_{10}$

1) A bag with $3\,^{1}/_{2}$ ounces of peanuts can make $^{1}/_{5}$ of a jar of peanut butter. It can make one full jar with how many ounces of peanuts?

2) A machine made $3\,^{4}/_{5}$ pencils in $^{1}/_{3}$ of a minute. It made pencils at a rate of how many per minute?

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Answers

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

Math   **Modified**   1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0
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