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

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

1. _____

2. _____

2) A cookie recipe called for $2\frac{2}{5}$ cups of sugar for every $\frac{1}{2}$ cup of flour. If you made a batch of cookies using 1 cup of flour, how many cups of sugar would you need?

3. _____

4. _____

3) A water faucet leaked $3\frac{2}{3}$ liters of water over the course of $2\frac{1}{4}$ hours. How many liters would it have leaked after 7 hours?

5. _____

6. _____

4) A bag with $3\frac{1}{4}$ 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?

7. _____

8. _____

5) A chef had to fill up $2\frac{4}{5}$ containers with mashed potatoes. He ended up using $3\frac{1}{2}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up 5 containers?

9. _____

10. _____

6) A tire shop had to fill $2\frac{1}{2}$ tires with air. It took a small air compressor $3\frac{1}{4}$ seconds to fill them up. How long would it take to fill 8 tires?

7) A container with $2\frac{3}{4}$ liters of weed killer can spray $\frac{2}{5}$ of a lawn. How many liters would it take to spray 1 entire lawn?

8) It takes $2\frac{1}{4}$ spoons of chocolate syrup to make $3\frac{1}{3}$ gallons of chocolate milk. How many spoons of syrup would it take to make 4 gallons of chocolate milk?

9) A bucket of water was $\frac{1}{2}$ full, but it still had $3\frac{1}{6}$ gallons of water in it. How much water would be in one fully filled bucket?

10) A carpenter goes through $2\frac{1}{2}$ boxes of nails finishing $\frac{4}{5}$ of a roof. How much would he use finishing the entire roof?
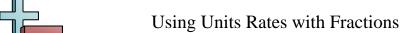
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Answers

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1. 5

2. $4\frac{4}{5}$

3. $11\frac{11}{27}$

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

5. $6\frac{7}{28}$

6. $10\frac{8}{20}$

7. $6\frac{7}{8}$

8. $2\frac{28}{40}$

9. $6\frac{2}{6}$

10. $3\frac{1}{8}$

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

$2\,{}^{28}\!/_{40}$	$6\,{}^{2}\!/_{4}$	$4\,{}^{4}\!/_{5}$	$6\,{}^{7}\!/_{8}$	$6\,{}^{7}\!/_{28}$
$11\,{}^{11}\!/_{27}$	$10\,{}^{8}\!/_{20}$	$6\,{}^{2}\!/_{6}$	5	$3\,{}^{1}\!/_{8}$

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2. _____

3. _____

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