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

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

2) It takes $2\frac{1}{2}$ spoons of chocolate syrup to make $3\frac{1}{3}$ gallons of chocolate milk. How many spoons of syrup would it take to make 5 gallons of chocolate milk?

3) A cookie recipe called for $3\frac{2}{4}$ cups of sugar for every $\frac{2}{3}$ cup of flour. If you made a batch of cookies using 1 cup of flour, how many cups of sugar would you need?

4) It takes $3\frac{1}{3}$ yards of thread to make $\frac{1}{3}$ of a sock. How many yards of thread will it take to make an entire sock?

5) It takes $2\frac{1}{2}$ gallons of water to fill up $3\frac{1}{4}$ containers. How much water would it take to fill 9 containers?

6) A printer cartridge with $2\frac{1}{6}$ milliliters of ink will print off $2\frac{1}{2}$ reams of paper. How many milliliters of ink will it take to print 7 reams?

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

8) A chef had to fill up $\frac{3}{5}$ of a container 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 the entire container?

9) A bag with $3\frac{4}{5}$ quarts of peanuts can make $2\frac{3}{4}$ jars of peanut butter. How many quarts of peanuts would you need to make 7 jars?

10) A container with $2\frac{1}{2}$ gallons of weed killer can spray $3\frac{1}{6}$ lawns. How many gallons would it take to spray 6 lawns?

Answers

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

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

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Answers

1. $1\frac{58}{102}$
2. $3\frac{15}{20}$
3. $5\frac{2}{8}$
4. $10\frac{0}{3}$
5. $6\frac{24}{26}$
6. $6\frac{2}{30}$
7. $3\frac{5}{9}$
8. $4\frac{1}{6}$
9. $9\frac{37}{55}$
10. $4\frac{28}{38}$

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

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$4\frac{28}{38}$	$4\frac{1}{6}$	$5\frac{2}{8}$	$6\frac{2}{30}$	$1\frac{58}{102}$
$9\frac{37}{55}$	$3\frac{5}{9}$	$3\frac{15}{20}$	$10\frac{0}{3}$	$6\frac{24}{26}$

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