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

1) It takes $2\frac{3}{5}$ spoons of chocolate syrup to make $2\frac{1}{3}$ gallons of chocolate milk. How many spoons of syrup would it take to make 8 gallons of chocolate milk?

2) A carpenter goes through $3\frac{1}{3}$ boxes of nails finishing $\frac{1}{2}$ of a roof. How much would he use finishing the entire roof?

3) It takes $3\frac{2}{4}$ yards of thread to make $\frac{2}{6}$ of a sock. How many yards of thread will it take to make an entire sock?

4) It takes $3\frac{1}{6}$ gallons of water to fill up $3\frac{1}{3}$ containers. How much water would it take to fill 2 containers?

5) A cookie recipe called for $3\frac{3}{5}$ cups of sugar for every $\frac{3}{5}$ cup of flour. If you made a batch of cookies using 1 cup of flour, how many cups of sugar would you need?

6) A container with $3\frac{1}{5}$ gallons of weed killer can spray $3\frac{1}{2}$ lawns. How many gallons would it take to spray 8 lawns?

7) A printer cartridge with $3\frac{1}{2}$ milliliters of ink will print off $\frac{4}{5}$ of a box of paper. How many milliliters of ink will it take to print an entire box?

8) A bag with $3\frac{1}{4}$ ounces of peanuts can make $\frac{3}{6}$ of a jar of peanut butter. It can make one full jar with how many ounces of peanuts?

9) A chef had to fill up $2\frac{1}{4}$ containers with mashed potatoes. He ended up using $2\frac{3}{4}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up 7 containers?

10) A bike tire was $\frac{4}{5}$ full. It took a small air compressor $2\frac{1}{4}$ seconds to fill it up. How long would it have taken to fill an empty tire?

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. $8\frac{32}{35}$
2. $6\frac{2}{3}$
3. $10\frac{4}{8}$
4. $1\frac{54}{60}$
5. $6\frac{0}{15}$
6. $7\frac{11}{35}$
7. $4\frac{3}{8}$
8. $6\frac{6}{12}$
9. $8\frac{20}{36}$
10. $2\frac{13}{16}$

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

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$8\frac{32}{35}$	$8\frac{20}{36}$	$1\frac{54}{60}$	$4\frac{3}{8}$	$6\frac{0}{15}$
$2\frac{13}{16}$	$6\frac{2}{3}$	$10\frac{4}{8}$	$6\frac{6}{12}$	$7\frac{11}{35}$

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