Name:

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

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

1. _____

2. _____

2) A cookie recipe called for $3\frac{1}{2}$ cups of sugar for every $\frac{5}{6}$ 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 container with $3\frac{1}{5}$ liters of weed killer can spray $\frac{1}{4}$ of a lawn. How many liters would it take to spray 1 entire lawn?

5. _____

6. _____

4) A bucket of water was $\frac{1}{2}$ full, but it still had $2\frac{4}{5}$ gallons of water in it. How much water would be in one fully filled bucket?

7. _____

8. _____

5) A bike tire was $\frac{1}{2}$ full. It took a small air compressor $3\frac{1}{3}$ seconds to fill it up. How long would it have taken to fill an empty tire?

9. _____

10. _____

6) It takes $2\frac{1}{2}$ yards of thread to make $\frac{4}{6}$ of a sock. How many yards of thread will it take to make an entire sock?

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

8) A carpenter goes through $2\frac{4}{5}$ boxes of nails finishing $3\frac{1}{3}$ rooves. How much would he use finishing 4 rooves?

9) It takes $3\frac{1}{4}$ spoons of chocolate syrup to make $2\frac{1}{5}$ gallons of chocolate milk. How many spoons of syrup would it take to make 3 gallons of chocolate milk?

10) A bag with $3\frac{4}{6}$ quarts of peanuts can make $2\frac{3}{6}$ jars of peanut butter. How many quarts of peanuts would you need to make 5 jars?

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

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

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

**2)** A cookie recipe called for $3\frac{1}{2}$ cups of sugar for every $\frac{5}{6}$ cup of flour. If you made a batch of cookies using 1 cup of flour, how many cups of sugar would you need?

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

**4)** A bucket of water was $\frac{1}{2}$ full, but it still had $2\frac{4}{5}$ gallons of water in it. How much water would be in one fully filled bucket?

**5)** A bike tire was $\frac{1}{2}$ full. It took a small air compressor $3\frac{1}{3}$ seconds to fill it up. How long would it have taken to fill an empty tire?

**6)** It takes $2\frac{1}{2}$ yards of thread to make $\frac{4}{6}$ of a sock. How many yards of thread will it take to make an entire sock?

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

**8)** A carpenter goes through $2\frac{4}{5}$ boxes of nails finishing $3\frac{1}{3}$ rooves. How much would he use finishing 4 rooves?

**9)** It takes $3\frac{1}{4}$ spoons of chocolate syrup to make $2\frac{1}{5}$ gallons of chocolate milk. How many spoons of syrup would it take to make 3 gallons of chocolate milk?

**10)** A bag with $3\frac{4}{6}$ quarts of peanuts can make $2\frac{3}{6}$ jars of peanut butter. How many quarts of peanuts would you need to make 5 jars?

| | Answers |
|---|---|
| 1. | $7\frac{2}{6}$ |
| 2. | $4\frac{2}{10}$ |
| 3. | $12\frac{4}{5}$ |
| 4. | $5\frac{3}{5}$ |
| 5. | $6\frac{2}{3}$ |
| 6. | $3\frac{6}{8}$ |
| 7. | $5\frac{25}{27}$ |
| 8. | $3\frac{18}{50}$ |
| 9. | $4\frac{19}{44}$ |
| 10. | $7\frac{30}{90}$ |

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

# Using Units Rates with Fractions

Name:

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

**Answers**

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

2) A cookie recipe called for $3\frac{1}{2}$ cups of sugar for every $\frac{5}{6}$ cup of flour. If you made a batch of cookies using 1 cup of flour, how many cups of sugar would you need?

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

4) A bucket of water was $\frac{1}{2}$ full, but it still had $2\frac{4}{5}$ gallons of water in it. How much water would be in one fully filled bucket?

5) A bike tire was $\frac{1}{2}$ full. It took a small air compressor $3\frac{1}{3}$ seconds to fill it up. How long would it have taken to fill an empty tire?

6) It takes $2\frac{1}{2}$ yards of thread to make $\frac{4}{6}$ of a sock. How many yards of thread will it take to make an entire sock?

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

8) A carpenter goes through $2\frac{4}{5}$ boxes of nails finishing $3\frac{1}{3}$ rooves. How much would he use finishing 4 rooves?

9) It takes $3\frac{1}{4}$ spoons of chocolate syrup to make $2\frac{1}{5}$ gallons of chocolate milk. How many spoons of syrup would it take to make 3 gallons of chocolate milk?

10) A bag with $3\frac{4}{6}$ quarts of peanuts can make $2\frac{3}{6}$ jars of peanut butter. How many quarts of peanuts would you need to make 5 jars?

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

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

1) A cookie recipe called for $2\frac{4}{5}$ 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?

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

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

4) It takes $3\frac{1}{5}$ yards of thread to make $\frac{2}{3}$ of a sock. How many yards of thread will it take to make an entire sock?

5) A container with $2\frac{3}{4}$ gallons of weed killer can spray $2\frac{5}{6}$ lawns. How many gallons would it take to spray 9 lawns?

6) A chef had to fill up $\frac{2}{6}$ of a container with mashed potatoes. He ended up using $2\frac{3}{5}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up the entire container?

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

8) It takes $3\frac{5}{6}$ gallons of water to fill up $2\frac{2}{4}$ containers. How much water would it take to fill 3 containers?

9) A printer cartridge with $2\frac{1}{6}$ milliliters of ink will print off $2\frac{1}{3}$ reams of paper. How many milliliters of ink will it take to print 2 reams?

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

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

**Math**
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2

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

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

1) A cookie recipe called for $2\frac{4}{5}$ 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?

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

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

4) It takes $3\frac{1}{5}$ yards of thread to make $\frac{2}{3}$ of a sock. How many yards of thread will it take to make an entire sock?

5) A container with $2\frac{3}{4}$ gallons of weed killer can spray $2\frac{5}{6}$ lawns. How many gallons would it take to spray 9 lawns?

6) A chef had to fill up $\frac{2}{6}$ of a container with mashed potatoes. He ended up using $2\frac{3}{5}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up the entire container?

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

8) It takes $3\frac{5}{6}$ gallons of water to fill up $2\frac{2}{4}$ containers. How much water would it take to fill 3 containers?

9) A printer cartridge with $2\frac{1}{6}$ milliliters of ink will print off $2\frac{1}{3}$ reams of paper. How many milliliters of ink will it take to print 2 reams?

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

1. $4\frac{2}{10}$
2. $4\frac{0}{6}$
3. $4\frac{0}{15}$
4. $4\frac{8}{10}$
5. $8\frac{50}{68}$
6. $7\frac{8}{10}$
7. $7\frac{0}{4}$
8. $4\frac{36}{60}$
9. $1\frac{36}{42}$
10. $11\frac{2}{10}$

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

| | | | | |
|---|---|---|---|---|
| $1\frac{36}{42}$ | $7\frac{8}{10}$ | $4\frac{2}{10}$ | $4\frac{36}{60}$ | $4\frac{0}{15}$ |
| $8\frac{50}{68}$ | $4\frac{0}{6}$ | $11\frac{2}{10}$ | $7\frac{0}{4}$ | $4\frac{8}{10}$ |

**1)** A cookie recipe called for $2\frac{4}{5}$ 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?

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

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

**4)** It takes $3\frac{1}{5}$ yards of thread to make $\frac{2}{3}$ of a sock. How many yards of thread will it take to make an entire sock?

**5)** A container with $2\frac{3}{4}$ gallons of weed killer can spray $2\frac{5}{6}$ lawns. How many gallons would it take to spray 9 lawns?

**6)** A chef had to fill up $\frac{2}{6}$ of a container with mashed potatoes. He ended up using $2\frac{3}{5}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up the entire container?

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

**8)** It takes $3\frac{5}{6}$ gallons of water to fill up $2\frac{2}{4}$ containers. How much water would it take to fill 3 containers?

**9)** A printer cartridge with $2\frac{1}{6}$ milliliters of ink will print off $2\frac{1}{3}$ reams of paper. How many milliliters of ink will it take to print 2 reams?

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

**Answers**

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

**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?

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

Name:

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

**Answers**

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?

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 |
|------|----|----|----|----|----|----|----|----|----|---|

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

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

1. _____

2. _____

**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?

3. _____

**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?

4. _____

5. _____

**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?

6. _____

7. _____

**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?

8. _____

9. _____

**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?

10. _____

**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?

Using Units Rates with Fractions    Name:

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

**Answers**

1) A water faucet leaked $2\frac{3}{5}$ liters of water over the course of $2\frac{2}{5}$ hours. How many liters would it have leaked after 9 hours?

2) A bike tire was $\frac{3}{5}$ full. It took a small air compressor $2\frac{1}{6}$ seconds to fill it up. How long would it have taken to fill an empty tire?

3) A bag with $2\frac{1}{3}$ quarts of peanuts can make $3\frac{1}{5}$ jars of peanut butter. How many quarts of peanuts would you need to make 3 jars?

4) A carpenter goes through $2\frac{2}{6}$ boxes of nails finishing $2\frac{1}{2}$ rooves. How much would he use finishing 4 rooves?

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

6) A cookie recipe called for $2\frac{1}{4}$ cups of sugar for every $2\frac{1}{3}$ cups of flour. If you made a batch of cookies using 5 cup of flour, how many cups of sugar would you need?

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

8) It takes $2\frac{5}{6}$ gallons of water to fill up $3\frac{2}{6}$ containers. How much water would it take to fill 5 containers?

9) It takes $3\frac{3}{4}$ spoons of chocolate syrup to make $\frac{2}{5}$ of a gallon of chocolate milk. How many spoons of syrup would it take to make 1 gallon of chocolate milk?

10) It takes $2\frac{1}{2}$ yards of thread to make $\frac{2}{6}$ of a sock. How many yards of thread will it take to make an entire sock?

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

Math    www.CommonCoreSheets.com    4    1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0

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

1) A water faucet leaked $2\frac{3}{5}$ liters of water over the course of $2\frac{2}{5}$ hours. How many liters would it have leaked after 9 hours?

1.   $9\frac{45}{60}$

2) A bike tire was $\frac{3}{5}$ full. It took a small air compressor $2\frac{1}{6}$ seconds to fill it up. How long would it have taken to fill an empty tire?

2.   $3\frac{11}{18}$

3) A bag with $2\frac{1}{3}$ quarts of peanuts can make $3\frac{1}{5}$ jars of peanut butter. How many quarts of peanuts would you need to make 3 jars?

3.   $2\frac{9}{48}$

4) A carpenter goes through $2\frac{2}{6}$ boxes of nails finishing $2\frac{1}{2}$ rooves. How much would he use finishing 4 rooves?

4.   $3\frac{22}{30}$

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

5.   $2\frac{0}{21}$

6.   $4\frac{23}{28}$

6) A cookie recipe called for $2\frac{1}{4}$ cups of sugar for every $2\frac{1}{3}$ cups of flour. If you made a batch of cookies using 5 cup of flour, how many cups of sugar would you need?

7.   $4\frac{1}{16}$

8.   $4\frac{30}{120}$

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

9.   $9\frac{3}{8}$

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

8) It takes $2\frac{5}{6}$ gallons of water to fill up $3\frac{2}{6}$ containers. How much water would it take to fill 5 containers?

9) It takes $3\frac{3}{4}$ spoons of chocolate syrup to make $\frac{2}{5}$ of a gallon of chocolate milk. How many spoons of syrup would it take to make 1 gallon of chocolate milk?

10) It takes $2\frac{1}{2}$ yards of thread to make $\frac{2}{6}$ of a sock. How many yards of thread will it take to make an entire sock?

# Using Units Rates with Fractions

Name:

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

$9\frac{3}{8}$   $2\frac{9}{48}$   $3\frac{11}{18}$   $4\frac{1}{16}$   $7\frac{2}{4}$

$2\frac{0}{21}$   $9\frac{45}{60}$   $4\frac{30}{120}$   $3\frac{22}{30}$   $4\frac{23}{28}$

1) A water faucet leaked $2\frac{3}{5}$ liters of water over the course of $2\frac{2}{5}$ hours. How many liters would it have leaked after 9 hours?

2) A bike tire was $\frac{3}{5}$ full. It took a small air compressor $2\frac{1}{6}$ seconds to fill it up. How long would it have taken to fill an empty tire?

3) A bag with $2\frac{1}{3}$ quarts of peanuts can make $3\frac{1}{5}$ jars of peanut butter. How many quarts of peanuts would you need to make 3 jars?

4) A carpenter goes through $2\frac{2}{6}$ boxes of nails finishing $2\frac{1}{2}$ rooves. How much would he use finishing 4 rooves?

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

6) A cookie recipe called for $2\frac{1}{4}$ cups of sugar for every $2\frac{1}{3}$ cups of flour. If you made a batch of cookies using 5 cup of flour, how many cups of sugar would you need?

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

8) It takes $2\frac{5}{6}$ gallons of water to fill up $3\frac{2}{6}$ containers. How much water would it take to fill 5 containers?

9) It takes $3\frac{3}{4}$ spoons of chocolate syrup to make $\frac{2}{5}$ of a gallon of chocolate milk. How many spoons of syrup would it take to make 1 gallon of chocolate milk?

10) It takes $2\frac{1}{2}$ yards of thread to make $\frac{2}{6}$ of a sock. How many yards of thread will it take to make an entire sock?

**Answers**

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

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

**1)** A container with $3\frac{1}{3}$ gallons of weed killer can spray $3\frac{1}{4}$ lawns. How many gallons would it take to spray 7 lawns?

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

**3)** A machine made $3\frac{1}{6}$ pencils in $\frac{2}{3}$ of a minute. It made pencils at a rate of how many per minute?

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

**5)** A water faucet leaked $2\frac{3}{4}$ liters of water every $\frac{1}{2}$ of an hour. It leaked at a rate of how many liters per hour?

**6)** A printer cartridge with $2\frac{5}{6}$ milliliters of ink will print off $\frac{2}{4}$ of a box of paper. How many milliliters of ink will it take to print an entire box?

**7)** A bike tire was $\frac{2}{3}$ full. It took a small air compressor $3\frac{1}{6}$ seconds to fill it up. How long would it have taken to fill an empty tire?

**8)** A carpenter goes through $3\frac{2}{3}$ boxes of nails finishing $\frac{3}{6}$ of a roof. How much would he use finishing the entire roof?

**9)** A chef had to fill up $2\frac{4}{6}$ 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 6 containers?

**10)** It takes $3\frac{3}{6}$ gallons of water to fill up $3\frac{4}{6}$ containers. How much water would it take to fill 9 containers?

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

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

**Answers**

1) A container with $3\frac{1}{3}$ gallons of weed killer can spray $3\frac{1}{4}$ lawns. How many gallons would it take to spray 7 lawns?

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

3) A machine made $3\frac{1}{6}$ pencils in $\frac{2}{3}$ of a minute. It made pencils at a rate of how many per minute?

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

5) A water faucet leaked $2\frac{3}{4}$ liters of water every $\frac{1}{2}$ of an hour. It leaked at a rate of how many liters per hour?

6) A printer cartridge with $2\frac{5}{6}$ milliliters of ink will print off $\frac{2}{4}$ of a box of paper. How many milliliters of ink will it take to print an entire box?

7) A bike tire was $\frac{2}{3}$ full. It took a small air compressor $3\frac{1}{6}$ seconds to fill it up. How long would it have taken to fill an empty tire?

8) A carpenter goes through $3\frac{2}{3}$ boxes of nails finishing $\frac{3}{6}$ of a roof. How much would he use finishing the entire roof?

9) A chef had to fill up $2\frac{4}{6}$ 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 6 containers?

10) It takes $3\frac{3}{6}$ gallons of water to fill up $3\frac{4}{6}$ containers. How much water would it take to fill 9 containers?

| | |
|---|---|
| 1. | $7\frac{7}{39}$ |
| 2. | $4\frac{0}{14}$ |
| 3. | $4\frac{9}{12}$ |
| 4. | $5\frac{0}{2}$ |
| 5. | $5\frac{2}{4}$ |
| 6. | $5\frac{8}{12}$ |
| 7. | $4\frac{9}{12}$ |
| 8. | $7\frac{3}{9}$ |
| 9. | $5\frac{20}{32}$ |
| 10. | $8\frac{78}{132}$ |

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

| | | | | |
|---|---|---|---|---|
| $5\frac{8}{12}$ | $4\frac{0}{14}$ | $7\frac{3}{9}$ | $5\frac{20}{32}$ | $7\frac{7}{39}$ |
| $4\frac{9}{12}$ | $8\frac{78}{132}$ | $5\frac{2}{4}$ | $5\frac{0}{2}$ | $4\frac{9}{12}$ |

**1)** A container with $3\frac{1}{3}$ gallons of weed killer can spray $3\frac{1}{4}$ lawns. How many gallons would it take to spray 7 lawns?

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

**3)** A machine made $3\frac{1}{6}$ pencils in $\frac{2}{3}$ of a minute. It made pencils at a rate of how many per minute?

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

**5)** A water faucet leaked $2\frac{3}{4}$ liters of water every $\frac{1}{2}$ of an hour. It leaked at a rate of how many liters per hour?

**6)** A printer cartridge with $2\frac{5}{6}$ milliliters of ink will print off $\frac{2}{4}$ of a box of paper. How many milliliters of ink will it take to print an entire box?

**7)** A bike tire was $\frac{2}{3}$ full. It took a small air compressor $3\frac{1}{6}$ seconds to fill it up. How long would it have taken to fill an empty tire?

**8)** A carpenter goes through $3\frac{2}{3}$ boxes of nails finishing $\frac{3}{6}$ of a roof. How much would he use finishing the entire roof?

**9)** A chef had to fill up $2\frac{4}{6}$ 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 6 containers?

**10)** It takes $3\frac{3}{6}$ gallons of water to fill up $3\frac{4}{6}$ containers. How much water would it take to fill 9 containers?

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

Using Units Rates with Fractions          Name:

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

**Answers**

1)  It takes $2\frac{1}{2}$ spoons of chocolate syrup to make $2\frac{1}{2}$ gallons of chocolate milk. How many spoons of syrup would it take to make 7 gallons of chocolate milk?

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

3)  A cookie recipe called for $2\frac{2}{3}$ 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)  A bag with $3\frac{1}{3}$ ounces of peanuts can make $\frac{4}{5}$ of a jar of peanut butter. It can make one full jar with how many ounces of peanuts?

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

6)  A tire shop had to fill $3\frac{1}{3}$ 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 2 tires?

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

8)  A water faucet leaked $3\frac{4}{5}$ liters of water over the course of $3\frac{2}{5}$ hours. How many liters would it have leaked after 5 hours?

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

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

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

**Math**   www.CommonCoreSheets.com   6   1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0

Name:

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

**1)** It takes $2\frac{1}{2}$ spoons of chocolate syrup to make $2\frac{1}{2}$ gallons of chocolate milk. How many spoons of syrup would it take to make 7 gallons of chocolate milk?

1. $7\frac{0}{10}$

2. $7\frac{1}{2}$

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

3. $4\frac{0}{6}$

4. $4\frac{2}{12}$

**3)** A cookie recipe called for $2\frac{2}{3}$ 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?

5. $3\frac{27}{57}$

6. $1\frac{38}{40}$

**4)** A bag with $3\frac{1}{3}$ ounces of peanuts can make $\frac{4}{5}$ of a jar of peanut butter. It can make one full jar with how many ounces of peanuts?

7. $8\frac{1}{8}$

8. $5\frac{50}{85}$

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

9. $5\frac{5}{6}$

10. $5\frac{0}{6}$

**6)** A tire shop had to fill $3\frac{1}{3}$ 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 2 tires?

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

**8)** A water faucet leaked $3\frac{4}{5}$ liters of water over the course of $3\frac{2}{5}$ hours. How many liters would it have leaked after 5 hours?

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

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

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

| $4\frac{0}{6}$ | $5\frac{50}{85}$ | $4\frac{2}{12}$ | $8\frac{1}{8}$ | $3\frac{27}{57}$ |
|---|---|---|---|---|
| $5\frac{0}{6}$ | $5\frac{5}{6}$ | $1\frac{38}{40}$ | $7\frac{1}{2}$ | $7\frac{0}{10}$ |

1. _____

2. _____

**1)** It takes $2\frac{1}{2}$ spoons of chocolate syrup to make $2\frac{1}{2}$ gallons of chocolate milk. How many spoons of syrup would it take to make 7 gallons of chocolate milk?

3. _____

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

4. _____

5. _____

**3)** A cookie recipe called for $2\frac{2}{3}$ 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?

6. _____

7. _____

**4)** A bag with $3\frac{1}{3}$ ounces of peanuts can make $\frac{4}{5}$ of a jar of peanut butter. It can make one full jar with how many ounces of peanuts?

8. _____

9. _____

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

10. _____

**6)** A tire shop had to fill $3\frac{1}{3}$ 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 2 tires?

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

**8)** A water faucet leaked $3\frac{4}{5}$ liters of water over the course of $3\frac{2}{5}$ hours. How many liters would it have leaked after 5 hours?

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

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

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

**1)** A printer cartridge with $3\frac{4}{6}$ milliliters of ink will print off $\frac{4}{6}$ of a box of paper. How many milliliters of ink will it take to print an entire box?

1. _____

2. _____

**2)** It takes $2\frac{2}{6}$ spoons of chocolate syrup to make $\frac{1}{2}$ of a gallon of chocolate milk. How many spoons of syrup would it take to make 1 gallon of chocolate milk?

3. _____

4. _____

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

5. _____

6. _____

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

7. _____

8. _____

**5)** A machine made $2\frac{3}{6}$ pencils in $\frac{1}{4}$ of a minute. It made pencils at a rate of how many per minute?

9. _____

10. _____

**6)** A water faucet leaked $3\frac{4}{5}$ liters of water over the course of $2\frac{1}{5}$ hours. How many liters would it have leaked after 3 hours?

**7)** A bucket of water was $\frac{5}{6}$ full, but it still had $2\frac{1}{3}$ gallons of water in it. How much water would be in one fully filled bucket?

**8)** A chef had to fill up $2\frac{1}{2}$ containers with mashed potatoes. He ended up using $2\frac{2}{5}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up 7 containers?

**9)** A bag with $3\frac{1}{2}$ quarts of peanuts can make $3\frac{1}{3}$ jars of peanut butter. How many quarts of peanuts would you need to make 3 jars?

**10)** A cookie recipe called for $3\frac{1}{2}$ 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?

Name:

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

**Answers**

1) A printer cartridge with $3\frac{4}{6}$ milliliters of ink will print off $\frac{4}{6}$ of a box of paper. How many milliliters of ink will it take to print an entire box?

1. $5\frac{12}{24}$

2) It takes $2\frac{2}{6}$ spoons of chocolate syrup to make $\frac{1}{2}$ of a gallon of chocolate milk. How many spoons of syrup would it take to make 1 gallon of chocolate milk?

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

3. $5\frac{16}{22}$

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

4. $10\frac{68}{70}$

5. $10\frac{0}{6}$

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

6. $5\frac{10}{55}$

7. $2\frac{12}{15}$

5) A machine made $2\frac{3}{6}$ pencils in $\frac{1}{4}$ of a minute. It made pencils at a rate of how many per minute?

8. $6\frac{18}{25}$

9. $3\frac{3}{20}$

10. $7\frac{0}{2}$

6) A water faucet leaked $3\frac{4}{5}$ liters of water over the course of $2\frac{1}{5}$ hours. How many liters would it have leaked after 3 hours?

7) A bucket of water was $\frac{5}{6}$ full, but it still had $2\frac{1}{3}$ gallons of water in it. How much water would be in one fully filled bucket?

8) A chef had to fill up $2\frac{1}{2}$ containers with mashed potatoes. He ended up using $2\frac{2}{5}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up 7 containers?

9) A bag with $3\frac{1}{2}$ quarts of peanuts can make $3\frac{1}{3}$ jars of peanut butter. How many quarts of peanuts would you need to make 3 jars?

10) A cookie recipe called for $3\frac{1}{2}$ 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?

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

| | | | | |
|---|---|---|---|---|
| $2^{12}/_{15}$ | $10^{68}/_{70}$ | $5^{10}/_{55}$ | $4^{4}/_{6}$ | $7^{0}/_{2}$ |
| $10^{0}/_{6}$ | $3^{3}/_{20}$ | $5^{16}/_{22}$ | $6^{18}/_{25}$ | $5^{12}/_{24}$ |

1) A printer cartridge with $3^{4}/_{6}$ milliliters of ink will print off $^{4}/_{6}$ of a box of paper. How many milliliters of ink will it take to print an entire box?

2) It takes $2^{2}/_{6}$ spoons of chocolate syrup to make $^{1}/_{2}$ of a gallon of chocolate milk. How many spoons of syrup would it take to make 1 gallon of chocolate milk?

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

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

5) A machine made $2^{3}/_{6}$ pencils in $^{1}/_{4}$ of a minute. It made pencils at a rate of how many per minute?

6) A water faucet leaked $3^{4}/_{5}$ liters of water over the course of $2^{1}/_{5}$ hours. How many liters would it have leaked after 3 hours?

7) A bucket of water was $^{5}/_{6}$ full, but it still had $2^{1}/_{3}$ gallons of water in it. How much water would be in one fully filled bucket?

8) A chef had to fill up $2^{1}/_{2}$ containers with mashed potatoes. He ended up using $2^{2}/_{5}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up 7 containers?

9) A bag with $3^{1}/_{2}$ quarts of peanuts can make $3^{1}/_{3}$ jars of peanut butter. How many quarts of peanuts would you need to make 3 jars?

10) A cookie recipe called for $3^{1}/_{2}$ 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?

**Answers**

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

**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?

1. _____

2. _____

**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. _____

4. _____

**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?

5. _____

6. _____

**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?

7. _____

8. _____

**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?

9. _____

10. _____

**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?

**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?

1. $8\frac{32}{35}$

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

**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. $10\frac{4}{8}$

4. $1\frac{54}{60}$

**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?

5. $6\frac{0}{15}$

6. $7\frac{11}{35}$

**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?

7. $4\frac{3}{8}$

8. $6\frac{6}{12}$

**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?

9. $8\frac{20}{36}$

10. $2\frac{13}{16}$

**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?

Name: _____

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

$8\,{}^{32}\!/_{35}$  $8\,{}^{20}\!/_{36}$  $1\,{}^{54}\!/_{60}$  $4\,{}^{3}\!/_{8}$  $6\,{}^{0}\!/_{15}$

$2\,{}^{13}\!/_{16}$  $6\,{}^{2}\!/_{3}$  $10\,{}^{4}\!/_{8}$  $6\,{}^{6}\!/_{12}$  $7\,{}^{11}\!/_{35}$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

**1)** It takes $2\,{}^{3}\!/_{5}$ spoons of chocolate syrup to make $2\,{}^{1}\!/_{3}$ gallons of chocolate milk. How many spoons of syrup would it take to make 8 gallons of chocolate milk?

**2)** A carpenter goes through $3\,{}^{1}\!/_{3}$ boxes of nails finishing $^{1}\!/_{2}$ of a roof. How much would he use finishing the entire roof?

**3)** It takes $3\,{}^{2}\!/_{4}$ yards of thread to make $^{2}\!/_{6}$ of a sock. How many yards of thread will it take to make an entire sock?

**4)** It takes $3\,{}^{1}\!/_{6}$ gallons of water to fill up $3\,{}^{1}\!/_{3}$ containers. How much water would it take to fill 2 containers?

**5)** A cookie recipe called for $3\,{}^{3}\!/_{5}$ cups of sugar for every $^{3}\!/_{5}$ 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 $3\,{}^{1}\!/_{5}$ gallons of weed killer can spray $3\,{}^{1}\!/_{2}$ lawns. How many gallons would it take to spray 8 lawns?

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

**8)** A bag with $3\,{}^{1}\!/_{4}$ ounces of peanuts can make $^{3}\!/_{6}$ 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 $2\,{}^{1}\!/_{4}$ containers with mashed potatoes. He ended up using $2\,{}^{3}\!/_{4}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up 7 containers?

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

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

**1)** It takes $3\frac{1}{4}$ yards of thread to make $\frac{4}{5}$ of a sock. How many yards of thread will it take to make an entire sock?

**2)** A chef had to fill up $\frac{2}{4}$ of a container with mashed potatoes. He ended up using $3\frac{4}{6}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up the entire container?

**3)** A carpenter goes through $3\frac{1}{6}$ boxes of nails finishing $\frac{3}{4}$ of a roof. How much would he use finishing the entire roof?

**4)** A bag with $2\frac{1}{6}$ ounces of peanuts can make $\frac{1}{3}$ of a jar of peanut butter. It can make one full jar with how many ounces of peanuts?

**5)** A bike tire was $\frac{2}{4}$ full. It took a small air compressor $3\frac{1}{2}$ seconds to fill it up. How long would it have taken to fill an empty tire?

**6)** A printer cartridge with $3\frac{2}{3}$ milliliters of ink will print off $3\frac{3}{6}$ reams of paper. How many milliliters of ink will it take to print 2 reams?

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

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

**9)** A machine made $3\frac{3}{6}$ pencils in $\frac{1}{2}$ of a minute. It made pencils at a rate of how many per minute?

**10)** It takes $3\frac{4}{6}$ spoons of chocolate syrup to make $2\frac{3}{6}$ gallons of chocolate milk. How many spoons of syrup would it take to make 2 gallons of chocolate milk?

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

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

**1)** It takes $3\frac{1}{4}$ yards of thread to make $\frac{4}{5}$ of a sock. How many yards of thread will it take to make an entire sock?

1. ____ $4\frac{1}{16}$

**2)** A chef had to fill up $\frac{2}{4}$ of a container with mashed potatoes. He ended up using $3\frac{4}{6}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up the entire container?

2. ____ $7\frac{4}{12}$

3. ____ $4\frac{4}{18}$

**3)** A carpenter goes through $3\frac{1}{6}$ boxes of nails finishing $\frac{3}{4}$ of a roof. How much would he use finishing the entire roof?

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

5. ____ $7\frac{0}{4}$

**4)** A bag with $2\frac{1}{6}$ ounces of peanuts can make $\frac{1}{3}$ of a jar of peanut butter. It can make one full jar with how many ounces of peanuts?

6. ____ $2\frac{6}{63}$

7. ____ $10\frac{8}{40}$

**5)** A bike tire was $\frac{2}{4}$ full. It took a small air compressor $3\frac{1}{2}$ seconds to fill it up. How long would it have taken to fill an empty tire?

8. ____ $1\frac{16}{20}$

9. ____ $7\frac{0}{6}$

**6)** A printer cartridge with $3\frac{2}{3}$ milliliters of ink will print off $3\frac{3}{6}$ reams of paper. How many milliliters of ink will it take to print 2 reams?

10. ____ $2\frac{84}{90}$

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

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

**9)** A machine made $3\frac{3}{6}$ pencils in $\frac{1}{2}$ of a minute. It made pencils at a rate of how many per minute?

**10)** It takes $3\frac{4}{6}$ spoons of chocolate syrup to make $2\frac{3}{6}$ gallons of chocolate milk. How many spoons of syrup would it take to make 2 gallons of chocolate milk?

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

| | | | | |
|---|---|---|---|---|
| $2\,{}^{6}\!/_{63}$ | $4\,{}^{4}\!/_{18}$ | $1\,{}^{16}\!/_{20}$ | $4\,{}^{1}\!/_{16}$ | $7\,{}^{0}\!/_{6}$ |
| $10\,{}^{8}\!/_{40}$ | $7\,{}^{4}\!/_{12}$ | $6\,{}^{3}\!/_{6}$ | $7\,{}^{0}\!/_{4}$ | $2\,{}^{84}\!/_{90}$ |

**1)** It takes $3\frac{1}{4}$ yards of thread to make ${}^{4}\!/_{5}$ of a sock. How many yards of thread will it take to make an entire sock?

**2)** A chef had to fill up ${}^{2}\!/_{4}$ of a container with mashed potatoes. He ended up using $3\frac{4}{6}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up the entire container?

**3)** A carpenter goes through $3\frac{1}{6}$ boxes of nails finishing ${}^{3}\!/_{4}$ of a roof. How much would he use finishing the entire roof?

**4)** A bag with $2\frac{1}{6}$ ounces of peanuts can make ${}^{1}\!/_{3}$ of a jar of peanut butter. It can make one full jar with how many ounces of peanuts?

**5)** A bike tire was ${}^{2}\!/_{4}$ full. It took a small air compressor $3\frac{1}{2}$ seconds to fill it up. How long would it have taken to fill an empty tire?

**6)** A printer cartridge with $3\frac{2}{3}$ milliliters of ink will print off $3\frac{3}{6}$ reams of paper. How many milliliters of ink will it take to print 2 reams?

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

**9)** A machine made $3\frac{3}{6}$ pencils in ${}^{1}\!/_{2}$ of a minute. It made pencils at a rate of how many per minute?

**10)** It takes $3\frac{4}{6}$ spoons of chocolate syrup to make $2\frac{3}{6}$ gallons of chocolate milk. How many spoons of syrup would it take to make 2 gallons of chocolate milk?

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

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

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

2) A water faucet leaked $3\frac{2}{6}$ liters of water every $\frac{3}{5}$ of an hour. It leaked at a rate of how many liters per hour?

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

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

5) It takes $3\frac{3}{5}$ kilometers of thread to make $3\frac{1}{3}$ boxes of shirts. How many kilometers of thread will it take to make 7 boxes?

6) A tire shop had to fill $3\frac{4}{5}$ tires with air. It took a small air compressor $3\frac{3}{5}$ seconds to fill them up. How long would it take to fill 7 tires?

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

9) A bag with $2\frac{2}{3}$ 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?

10) A cookie recipe called for $2\frac{1}{4}$ cups of sugar for every $2\frac{1}{2}$ cups of flour. If you made a batch of cookies using 8 cup of flour, how many cups of sugar would you need?

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

Name:

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

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

1. $2\frac{8}{36}$

2) A water faucet leaked $3\frac{2}{6}$ liters of water every $\frac{3}{5}$ of an hour. It leaked at a rate of how many liters per hour?

2. $5\frac{10}{18}$

3. $16\frac{0}{5}$

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

4. $8\frac{18}{24}$

5. $7\frac{28}{50}$

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

6. $6\frac{60}{95}$

7. $4\frac{14}{25}$

5) It takes $3\frac{3}{5}$ kilometers of thread to make $3\frac{1}{3}$ boxes of shirts. How many kilometers of thread will it take to make 7 boxes?

8. $11\frac{1}{4}$

9. $5\frac{1}{3}$

10. $7\frac{4}{20}$

6) A tire shop had to fill $3\frac{4}{5}$ tires with air. It took a small air compressor $3\frac{3}{5}$ seconds to fill them up. How long would it take to fill 7 tires?

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

9) A bag with $2\frac{2}{3}$ 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?

10) A cookie recipe called for $2\frac{1}{4}$ cups of sugar for every $2\frac{1}{2}$ cups of flour. If you made a batch of cookies using 8 cup of flour, how many cups of sugar would you need?

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

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

$5\frac{10}{18}$ $\quad\quad$ $8\frac{18}{24}$ $\quad\quad$ $7\frac{28}{50}$ $\quad\quad$ $6\frac{60}{95}$ $\quad\quad$ $16\frac{0}{5}$

$5\frac{1}{3}$ $\quad\quad$ $2\frac{8}{36}$ $\quad\quad$ $11\frac{1}{4}$ $\quad\quad$ $4\frac{14}{25}$ $\quad\quad$ $7\frac{4}{20}$

1. _____

2. _____

3. _____

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

4. _____

5. _____

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6. _____

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

7. _____

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

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