



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. \_\_\_\_\_
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**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.  $7\frac{30}{90}$



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$5^{25}/_{27}$

$5^3/_5$

$4^2/_{10}$

$3^6/_8$

$3^{18}/_{50}$

$4^{19}/_{44}$

$7^2/_6$

$6^2/_3$

$7^{30}/_{90}$

$12^4/_5$

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- 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?

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Answers

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.  $11\frac{2}{10}$



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$1\frac{36}{42}$

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$4\frac{2}{10}$

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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.  $4\frac{28}{38}$





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$4^{28}/_{38}$

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**Answers**

1.  $9\frac{45}{60}$
2.  $3\frac{11}{18}$
3.  $2\frac{9}{48}$
4.  $3\frac{22}{30}$
5.  $2\frac{0}{21}$
6.  $4\frac{23}{28}$
7.  $4\frac{1}{16}$
8.  $4\frac{30}{120}$
9.  $9\frac{3}{8}$
10.  $7\frac{2}{4}$



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- 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. \_\_\_\_\_
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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. \_\_\_\_\_
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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.  $7\frac{7}{39}$
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).

**Answers**

$5\frac{8}{12}$

$4\frac{0}{14}$

$7\frac{3}{9}$

$5\frac{20}{32}$

$7\frac{7}{39}$

$4\frac{9}{12}$

$8\frac{78}{132}$

$5\frac{2}{4}$

$5\frac{0}{2}$

$4\frac{9}{12}$

- 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. \_\_\_\_\_
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6. \_\_\_\_\_
7. \_\_\_\_\_
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9. \_\_\_\_\_
10. \_\_\_\_\_



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. \_\_\_\_\_
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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?
- 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?

**Answers**

1.  $7\frac{0}{10}$
2.  $7\frac{1}{2}$
3.  $4\frac{0}{6}$
4.  $4\frac{2}{12}$
5.  $3\frac{27}{57}$
6.  $1\frac{38}{40}$
7.  $8\frac{1}{8}$
8.  $5\frac{50}{85}$
9.  $5\frac{5}{6}$
10.  $5\frac{0}{6}$



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

$4\frac{0}{6}$

$5\frac{50}{85}$

$4\frac{2}{12}$

$8\frac{1}{8}$

$3\frac{27}{57}$

$5\frac{0}{6}$

$5\frac{5}{6}$

$1\frac{38}{40}$

$7\frac{1}{2}$

$7\frac{0}{10}$

**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?

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5. \_\_\_\_\_
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8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_



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?
- 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) 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) 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?
- 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?
- 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?

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



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?
- 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) 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) 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?
- 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?
- 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?

Answers

1.  $5\frac{12}{24}$
2.  $4\frac{4}{6}$
3.  $5\frac{16}{22}$
4.  $10\frac{68}{70}$
5.  $10\frac{0}{6}$
6.  $5\frac{10}{55}$
7.  $2\frac{12}{15}$
8.  $6\frac{18}{25}$
9.  $3\frac{3}{20}$
10.  $7\frac{0}{2}$



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

$2\frac{12}{15}$

$10\frac{68}{70}$

$5\frac{10}{55}$

$4\frac{4}{6}$

$7\frac{0}{2}$

$10\frac{0}{6}$

$3\frac{3}{20}$

$5\frac{16}{22}$

$6\frac{18}{25}$

$5\frac{12}{24}$

**Answers**

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

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?

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) 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) 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?

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?

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).

Answers

- 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?

1. \_\_\_\_\_  
2. \_\_\_\_\_  
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4. \_\_\_\_\_  
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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?
- 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.  $8\frac{32}{35}$
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.  $2\frac{13}{16}$



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

$8^{32/35}$

$8^{20/36}$

$1^{54/60}$

$4^{3/8}$

$6^{0/15}$

$2^{13/16}$

$6^{2/3}$

$10^{4/8}$

$6^{6/12}$

$7^{11/35}$

**Answers**

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

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10. \_\_\_\_\_

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

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- 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?

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**Answers**

1.  $4\frac{1}{16}$
2.  $7\frac{4}{12}$
3.  $4\frac{4}{18}$
4.  $6\frac{3}{6}$
5.  $7\frac{0}{4}$
6.  $2\frac{6}{63}$
7.  $10\frac{8}{40}$
8.  $1\frac{16}{20}$
9.  $7\frac{0}{6}$
10.  $2\frac{84}{90}$



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

$2\frac{6}{63}$

$4\frac{4}{18}$

$1\frac{16}{20}$

$4\frac{1}{16}$

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- 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?
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Answers

1.  $2\frac{8}{36}$
2.  $5\frac{10}{18}$
3.  $16\frac{0}{5}$
4.  $8\frac{18}{24}$
5.  $7\frac{28}{50}$
6.  $6\frac{60}{95}$
7.  $4\frac{14}{25}$
8.  $11\frac{1}{4}$
9.  $5\frac{1}{3}$
10.  $7\frac{4}{20}$



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

$5^{10}/_{18}$

$8^{18}/_{24}$

$7^{28}/_{50}$

$6^{60}/_{95}$

$16^0/_5$

$5^1/_3$

$2^8/_36$

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$7^4/_20$

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