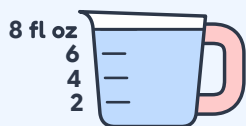


Measurement Conversions

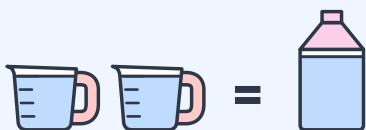
Keep this chart. Use it to change one unit into another.

Capacity

8 fluid ounces = 1 cup



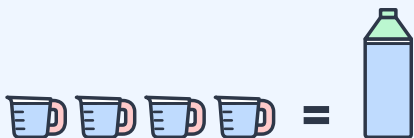
2 cups = 1 pint



2 pints = 1 quart



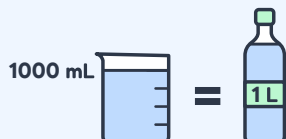
4 cups = 1 quart



4 quarts = 1 gallon

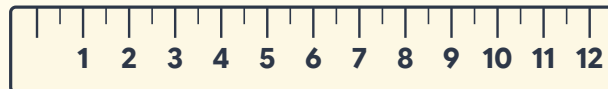


1000 milliliters = 1 liter



Length

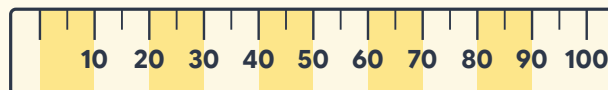
12 inches = 1 foot



3 feet = 1 yard

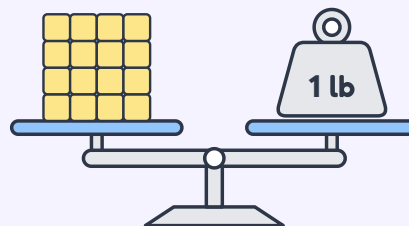


100 centimeters = 1 meter

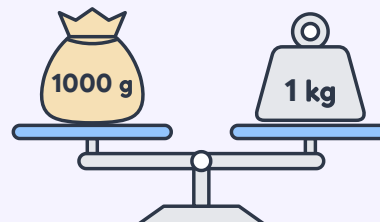


Weight and Mass

16 ounces = 1 pound



1000 grams = 1 kilogram



Measurement Conversions

Length: use the key to fill in the tables and compare.

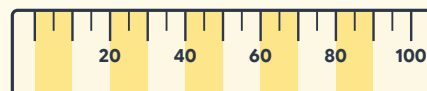
Conversion Key



12 inches = 1 foot



3 feet = 1 yard



100 centimeters = 1 meter

Fill in each table.

feet	inches
1	12
2	
3	
	48
5	

yards	feet
1	3
2	
4	
	15
7	

meters	centimeters
1	100
2	
5	
	600
9	

Compare. Write $>$, $<$, or $=$ in each circle.

1. 2 feet 20 inches

2. 3 feet 1 yard

3. 30 inches 3 feet

4. 400 centimeters 4 meters

5. 2 yards 5 feet

6. 250 centimeters 3 meters

7. 1 foot 14 inches

8. 6 feet 2 yards

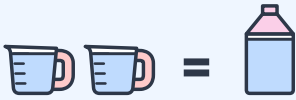
9. 50 inches 4 feet

10. 450 centimeters 5 meters

Measurement Conversions

Capacity: use the key to change cups, pints, quarts, and gallons.

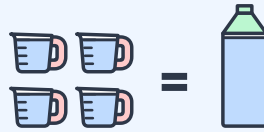
Conversion Key



2 cups = 1 pint



2 pints = 1 quart

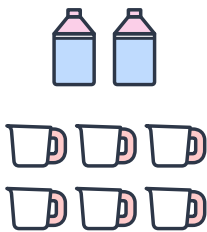


4 cups = 1 quart



4 quarts = 1 gallon

Shade the small containers that fill the big ones.



2 pints = _____ cups



1 gallon = _____ quarts



2 quarts = _____ cups

Fill in each table.

quarts	pints
1	2
3	
	8
6	

gallons	quarts
1	4
2	
	12
5	

pints	cups
1	2
4	
	10
8	

Compare. Write >, <, or = in each circle.

1. 3 pints ○ 7 cups

2. 2 gallons ○ 8 quarts

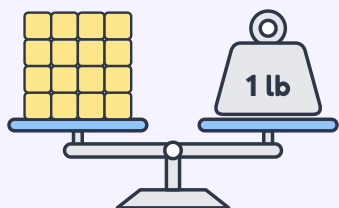
3. 5 quarts ○ 9 pints

4. 12 cups ○ 4 quarts

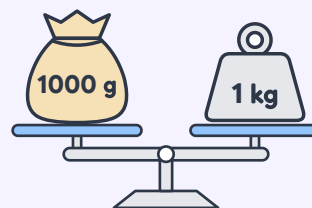
Measurement Conversions

Weight and mass: use the key to change pounds and kilograms.

Conversion Key



16 ounces = 1 pound



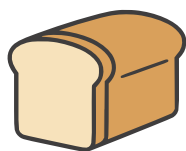
1000 grams = 1 kilogram

Fill in each table.

pounds	ounces
1	16
2	
3	
	64

kilograms	grams
1	1000
3	
	5000
8	

Write each weight in the smaller unit.



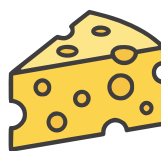
1 pound

= _____ ounces



2 kilograms

= _____ grams



2 pounds

= _____ ounces



6 kilograms

= _____ grams

Compare. Write >, <, or = in each circle.

1. 2 pounds ○ 30 ounces

2. 3 kilograms ○ 3000 grams

3. 40 ounces ○ 3 pounds

4. 5000 grams ○ 4 kilograms

Measurement Conversions

Mixed practice: use the key for length, capacity, and weight.

Conversion Key

Length

12 inches = 1 foot

3 feet = 1 yard

100 centimeters = 1 meter



Capacity

8 fluid ounces = 1 cup

2 cups = 1 pint

2 pints = 1 quart

4 quarts = 1 gallon

1000 milliliters = 1 liter

Weight and Mass

16 ounces = 1 pound

1000 grams = 1 kilogram



Circle the bigger unit.

1. foot inch

2. quart cup

3. gram kilogram

4. centimeter meter

5. gallon pint

6. ounce pound

True or false? Circle T or F.

1. 3 feet = 36 inches

T F

2. 1 foot = 3 inches

T F

3. 5 kilograms = 500 grams

T F

4. 2 quarts = 4 pints

T F

5. 3 pounds = 48 ounces

T F

6. 1 gallon = 8 quarts

T F

Write the missing number.

1. 5 yards = _____ feet

2. 3 liters = _____ milliliters

3. 2 gallons = _____ quarts

4. 48 ounces = _____ pounds

5. 6 meters = _____ centimeters

6. 3 cups = _____ fluid ounces

7. 36 inches = _____ feet

8. 7 kilograms = _____ grams

Measurement Conversions

Word problems: use the key. Write each answer with its unit.

Conversion Key

Length

12 inches = 1 foot

3 feet = 1 yard

100 centimeters = 1 meter



Capacity

8 fluid ounces = 1 cup

2 cups = 1 pint

2 pints = 1 quart

4 quarts = 1 gallon

1000 milliliters = 1 liter

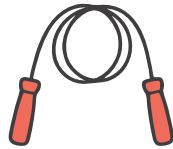
Weight and Mass

16 ounces = 1 pound

1000 grams = 1 kilogram



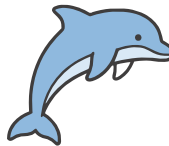
1. Zoe's jump rope is **3** yards long. How many feet long is it?



2. A snake is **48** inches long. How many feet long is the snake?



3. A dolphin is **3** meters long. How many centimeters long is it?



4. Dad made **2** gallons of lemonade. How many quarts did he make?



5. Mom bought **3** quarts of milk. How many pints of milk is that?



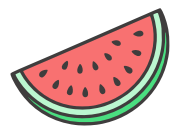
6. A bottle holds **2** liters of water. How many milliliters is that?



7. A teddy bear weighs **3** pounds. How many ounces does it weigh?



8. A watermelon weighs **5** kilograms. How many grams is that?



Measurement Conversions

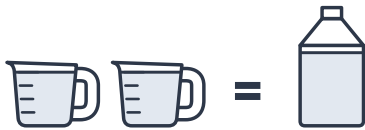
Keep this chart. Use it to change one unit into another.

Capacity

$$8 \text{ fluid ounces} = 1 \text{ cup}$$



$$2 \text{ cups} = 1 \text{ pint}$$



$$2 \text{ pints} = 1 \text{ quart}$$



$$4 \text{ cups} = 1 \text{ quart}$$



$$4 \text{ quarts} = 1 \text{ gallon}$$



$$1000 \text{ milliliters} = 1 \text{ liter}$$



Length

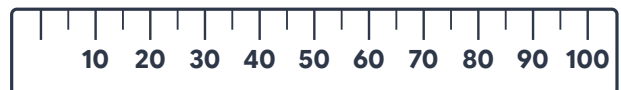
$$12 \text{ inches} = 1 \text{ foot}$$



$$3 \text{ feet} = 1 \text{ yard}$$



$$100 \text{ centimeters} = 1 \text{ meter}$$



Weight and Mass

$$16 \text{ ounces} = 1 \text{ pound}$$



$$1000 \text{ grams} = 1 \text{ kilogram}$$



Measurement Conversions

Length: use the key to fill in the tables and compare.

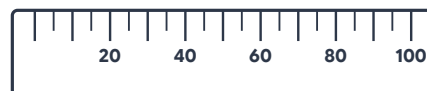
Conversion Key



12 inches = 1 foot



3 feet = 1 yard



100 centimeters = 1 meter

Fill in each table.

feet	inches
1	12
2	
3	
	48
5	

yards	feet
1	3
2	
4	
	15
7	

meters	centimeters
1	100
2	
5	
	600
9	

Compare. Write $>$, $<$, or $=$ in each circle.

1. 2 feet 20 inches

2. 3 feet 1 yard

3. 30 inches 3 feet

4. 400 centimeters 4 meters

5. 2 yards 5 feet

6. 250 centimeters 3 meters

7. 1 foot 14 inches

8. 6 feet 2 yards

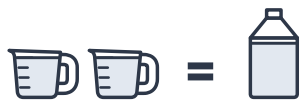
9. 50 inches 4 feet

10. 450 centimeters 5 meters

Measurement Conversions

Capacity: use the key to change cups, pints, quarts, and gallons.

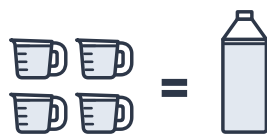
Conversion Key



2 cups = 1 pint



2 pints = 1 quart



4 cups = 1 quart



4 quarts = 1 gallon

Shade the small containers that fill the big ones.



2 pints = _____ cups



1 gallon = _____ quarts



2 quarts = _____ cups

Fill in each table.

quarts	pints
1	2
3	
	8
6	

gallons	quarts
1	4
2	
	12
5	

pints	cups
1	2
4	
	10
8	

Compare. Write >, <, or = in each circle.

1. 3 pints ○ 7 cups

2. 2 gallons ○ 8 quarts

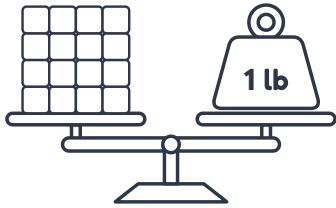
3. 5 quarts ○ 9 pints

4. 12 cups ○ 4 quarts

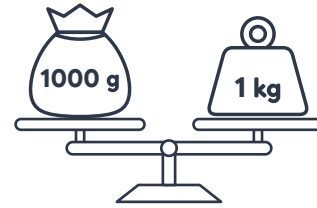
Measurement Conversions

Weight and mass: use the key to change pounds and kilograms.

Conversion Key



16 ounces = 1 pound



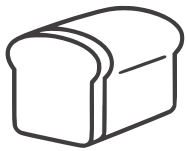
1000 grams = 1 kilogram

Fill in each table.

pounds	ounces
1	16
2	
3	
	64

kilograms	grams
1	1000
3	
	5000
8	

Write each weight in the smaller unit.



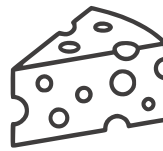
1 pound

= _____ ounces



2 kilograms

= _____ grams



2 pounds

= _____ ounces



6 kilograms

= _____ grams

Compare. Write >, <, or = in each circle.

1. 2 pounds ○ 30 ounces

2. 3 kilograms ○ 3000 grams

3. 40 ounces ○ 3 pounds

4. 5000 grams ○ 4 kilograms

Measurement Conversions

Mixed practice: use the key for length, capacity, and weight.

Conversion Key

Length

$$12 \text{ inches} = 1 \text{ foot}$$

$$3 \text{ feet} = 1 \text{ yard}$$

$$100 \text{ centimeters} = 1 \text{ meter}$$



Capacity

$$8 \text{ fluid ounces} = 1 \text{ cup}$$

$$2 \text{ cups} = 1 \text{ pint}$$

$$2 \text{ pints} = 1 \text{ quart}$$

$$4 \text{ quarts} = 1 \text{ gallon}$$

$$1000 \text{ milliliters} = 1 \text{ liter}$$

Weight and Mass

$$16 \text{ ounces} = 1 \text{ pound}$$

$$1000 \text{ grams} = 1 \text{ kilogram}$$



Circle the bigger unit.

1. foot inch

2. quart cup

3. gram kilogram

4. centimeter meter

5. gallon pint

6. ounce pound

True or false? Circle T or F.

1. 3 feet = 36 inches

T F

2. 1 foot = 3 inches

T F

3. 5 kilograms = 500 grams

T F

4. 2 quarts = 4 pints

T F

5. 3 pounds = 48 ounces

T F

6. 1 gallon = 8 quarts

T F

Write the missing number.

1. 5 yards = _____ feet

2. 3 liters = _____ milliliters

3. 2 gallons = _____ quarts

4. 48 ounces = _____ pounds

5. 6 meters = _____ centimeters

6. 3 cups = _____ fluid ounces

7. 36 inches = _____ feet

8. 7 kilograms = _____ grams

Measurement Conversions

Word problems: use the key. Write each answer with its unit.

Conversion Key

Length

12 inches = 1 foot

3 feet = 1 yard

100 centimeters = 1 meter



Capacity

8 fluid ounces = 1 cup

2 cups = 1 pint

2 pints = 1 quart

4 quarts = 1 gallon

1000 milliliters = 1 liter

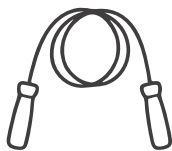
Weight and Mass

16 ounces = 1 pound

1000 grams = 1 kilogram



1. Zoe's jump rope is **3** yards long. How many feet long is it?



2. A snake is **48** inches long. How many feet long is the snake?



3. A dolphin is **3** meters long. How many centimeters long is it?



4. Dad made **2** gallons of lemonade. How many quarts did he make?



5. Mom bought **3** quarts of milk. How many pints of milk is that?



6. A bottle holds **2** liters of water. How many milliliters is that?



7. A teddy bear weighs **3** pounds. How many ounces does it weigh?



8. A watermelon weighs **5** kilograms. How many grams is that?



Measurement Conversions

Length: use the key to fill in the tables and compare.

Conversion Key



12 inches = 1 foot



3 feet = 1 yard



100 centimeters = 1 meter

Fill in each table.

feet	inches
1	12
2	24
3	36
4	48
5	60

yards	feet
1	3
2	6
4	12
5	15
7	21

meters	centimeters
1	100
2	200
5	500
6	600
9	900

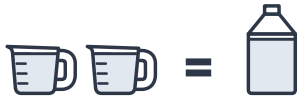
Compare. Write $>$, $<$, or $=$ in each circle.

- 2 feet $>$ 20 inches
- 3 feet $=$ 1 yard
- 30 inches $<$ 3 feet
- 400 centimeters $=$ 4 meters
- 2 yards $>$ 5 feet
- 250 centimeters $<$ 3 meters
- 1 foot $<$ 14 inches
- 6 feet $=$ 2 yards
- 50 inches $>$ 4 feet
- 450 centimeters $<$ 5 meters

Measurement Conversions

Capacity: use the key to change cups, pints, quarts, and gallons.

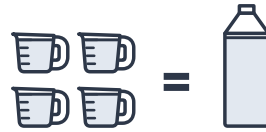
Conversion Key



2 cups = 1 pint



2 pints = 1 quart



4 cups = 1 quart



4 quarts = 1 gallon

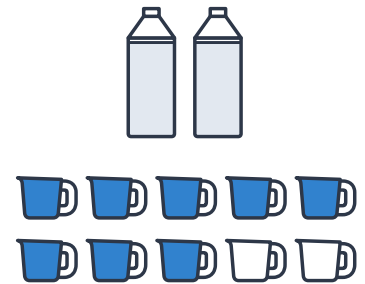
Shade the small containers that fill the big ones.



2 pints = 4 cups



1 gallon = 4 quarts



2 quarts = 8 cups

Fill in each table.

quarts	pints
1	2
3	6
4	8
6	12

gallons	quarts
1	4
2	8
3	12
5	20

pints	cups
1	2
4	8
5	10
8	16

Compare. Write >, <, or = in each circle.

1. 3 pints $\lt$ 7 cups

2. 2 gallons $=$ 8 quarts

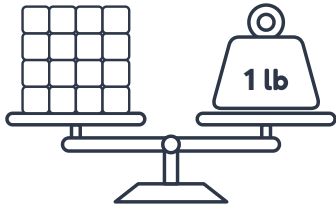
3. 5 quarts $>$ 9 pints

4. 12 cups $<$ 4 quarts

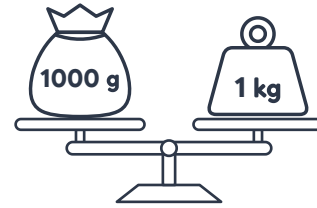
Measurement Conversions

Weight and mass: use the key to change pounds and kilograms.

Conversion Key



16 ounces = 1 pound



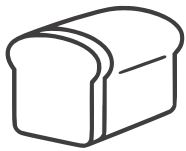
1000 grams = 1 kilogram

Fill in each table.

pounds	ounces
1	16
2	32
3	48
4	64

kilograms	grams
1	1000
3	3000
5	5000
8	8000

Write each weight in the smaller unit.



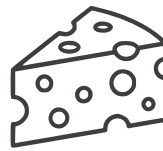
1 pound

= 16 ounces



2 kilograms

= 2000 grams



2 pounds

= 32 ounces



6 kilograms

= 6000 grams

Compare. Write >, <, or = in each circle.

- 2 pounds **>** 30 ounces
- 3 kilograms **=** 3000 grams
- 40 ounces **<** 3 pounds
- 5000 grams **>** 4 kilograms

Measurement Conversions

Mixed practice: use the key for length, capacity, and weight.

Conversion Key

Length

$$12 \text{ inches} = 1 \text{ foot}$$

$$3 \text{ feet} = 1 \text{ yard}$$

$$100 \text{ centimeters} = 1 \text{ meter}$$



Capacity

$$8 \text{ fluid ounces} = 1 \text{ cup}$$

$$2 \text{ cups} = 1 \text{ pint}$$

$$2 \text{ pints} = 1 \text{ quart}$$

$$4 \text{ quarts} = 1 \text{ gallon}$$

$$1000 \text{ milliliters} = 1 \text{ liter}$$

Weight and Mass

$$16 \text{ ounces} = 1 \text{ pound}$$

$$1000 \text{ grams} = 1 \text{ kilogram}$$



Circle the bigger unit.

1. foot inch

2. quart cup

3. gram kilogram

4. centimeter meter

5. gallon pint

6. ounce pound

True or false? Circle T or F.

1. 3 feet = 36 inches

T F

2. 1 foot = 3 inches

T F

3. 5 kilograms = 500 grams

T F

4. 2 quarts = 4 pints

T F

5. 3 pounds = 48 ounces

T F

6. 1 gallon = 8 quarts

T F

Write the missing number.

1. 5 yards = 15 feet

2. 3 liters = 3000 milliliters

3. 2 gallons = 8 quarts

4. 48 ounces = 3 pounds

5. 6 meters = 600 centimeters

6. 3 cups = 24 fluid ounces

7. 36 inches = 3 feet

8. 7 kilograms = 7000 grams

Measurement Conversions

Word problems: use the key. Write each answer with its unit.

Conversion Key

Length

$$12 \text{ inches} = 1 \text{ foot}$$

$$3 \text{ feet} = 1 \text{ yard}$$

$$100 \text{ centimeters} = 1 \text{ meter}$$



Capacity

$$8 \text{ fluid ounces} = 1 \text{ cup}$$

$$2 \text{ cups} = 1 \text{ pint}$$

$$2 \text{ pints} = 1 \text{ quart}$$

$$4 \text{ quarts} = 1 \text{ gallon}$$

$$1000 \text{ milliliters} = 1 \text{ liter}$$

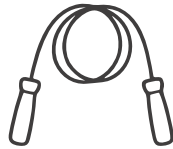
Weight and Mass

$$16 \text{ ounces} = 1 \text{ pound}$$

$$1000 \text{ grams} = 1 \text{ kilogram}$$



1. Zoe's jump rope is **3** yards long. How many feet long is it?



9 feet

2. A snake is **48** inches long. How many feet long is the snake?



4 feet

3. A dolphin is **3** meters long. How many centimeters long is it?



300 centimeters

4. Dad made **2** gallons of lemonade. How many quarts did he make?



8 quarts

5. Mom bought **3** quarts of milk. How many pints of milk is that?



6 pints

6. A bottle holds **2** liters of water. How many milliliters is that?



2000 milliliters

7. A teddy bear weighs **3** pounds. How many ounces does it weigh?



48 ounces

8. A watermelon weighs **5** kilograms. How many grams is that?



5000 grams