

37. How to convert between metric and imperial units of volume



Scenario Questions: Round answers to 2 decimal places

1. In a recipe, it calls for 500 millilitres of water. How many fluid ounces is that? (Conversion: 1 fluid ounce = 28 millilitres)

2. Sameen wants to know how many cups are in a litre of water. How many cups is that? (Conversion: 1 cup = 284 millilitres)

3. Wataru needs to drink 2.5 litres of water each day. How many pints of water is that? (Conversion: 1 pint = 0.568 litres)

4. Emily has a water bottle that can hold 750 millilitres of water. How many fluid ounces does her water bottle hold? (Conversion: 1 fluid ounce = 28 millilitres)

5. Jack wants to measure 3 litres of water. How many pints is that? (Conversion: 1 pint = 0.568 litres)

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Scenario Questions: Round answers to 2 decimal places

6. Lisa wants to fill a 5 gallon tank. She has a jug that holds 1.5 litres of water. How many jugs will the tank take to fill? (Conversion: 1 gallon = 4.5 litres)

7. Mike wants to know how many millilitres are in a gallon of water. He knows that one gallon is 4.5 litres and one litre is 1000 millilitres.

8. Emma needs to drink 8 pints of water each day. How many litres of water is that? (Conversion: 1 pint = 0.568 litres)

9. Jin wants to know how many pints of water are in half a gallon. How many pints is that? (Conversion: 1 gallon = 8 pints)

10. Mia wants to measure 50 gallons of water. How many litres is that? (Conversion: 1 gallon = 4.5 litres)

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Scenario Questions: **Answers**

1. In a recipe, it calls for 500 millilitres of water. How many fluid ounces is that?

(Conversion: 1 fluid ounce = 28 millilitres)

1. 17.86 fluid ounces

2. Sameen wants to know how many cups are in a litre of water. How many cups is that?

(Conversion: 1 cup = 284 millilitres)

2. 3.52 cups

3. Wataru needs to drink 2.5 litres of water each day. How many pints of water is that?

(Conversion: 1 pint = 0.568 litres)

3. 4.40 pints

4. Emily has a water bottle that can hold 750 millilitres of water. How many fluid ounces does her water bottle hold? (Conversion: 1 fluid ounce = 28 millilitres)

4. 26.79 fluid ounces

5. Jack wants to measure 3 litres of water. How many pints is that? (Conversion: 1 pint = 0.568 litres)

5. 5.28 pints

6. Lisa wants to fill a 5 gallon tank. She has a jug that holds 1.5 litres of water. How many jugs will the tank take to fill? (Conversion: 1 gallon = 4.5 litres)

6. 15 gallons

7. Mike wants to know how many millilitres are in a gallon of water. He knows that one gallon is 4.5 litres and one litre is 1000 millilitres.

7. 4500 litres

8. Emma needs to drink 8 pints of water each day. How many litres of water is that?

(Conversion: 1 pint = 0.568 litres)

8. 4.54 litres

9. Jin wants to know how many pints of water are in half a gallon. How many pints is that?

(Conversion: 1 gallon = 8 pints)

9. 4 pints

10. Mia wants to measure 50 gallons of water. How many litres is that? (Conversion: 1 gallon = 4.5 litres)

10. 225 litres