

Name: \_\_\_\_\_

Due Date: \_\_\_\_\_

Teacher: \_\_\_\_\_

Parent Sign: \_\_\_\_\_

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### Questions

1. Each teacup holds 250 mL. There are 8 guests. How many liters of tea are needed?
2. There are 12 teacups and each holds 200 mL. What is the total volume in liters?
3. A teapot holds 1.5 L. How many millilitres is that?
4. One teapot holds 1 L and another holds 750 mL. What is their total volume in millilitres and in litres?
5. Each cookie needs 25 g of sugar. If you make 20 cookies, how many kilograms of sugar do you need?
6. A cake recipe needs 2.5 kg of flour. How many grams is that?
7. A cake weighs 1.2 kg. How many grams does it weigh?
8. Three small cakes weigh 450 g each. What is their total weight in kilograms?
9. Each sugar packet is 100 g. How many packets make 2 kg?
10. A table runner is 1500 mm long. What is its length in centimetres and in metres?
11. A decorative ribbon is 2.5 m long. How many centimetres is that?
12. Each napkin is 30 cm wide. Six napkins laid side by side make how many metres in total?
13. The distance from the kitchen to the table is 2.5 m. What is that distance in centimetres?
14. A cake slice is 45 mm tall. What is that height in centimetres?
15. A table is 120 cm long. What is its length in metres?
16. One table runner is 1.25 m and another is 75 cm. What is their combined length in centimetres and in metres?
17. Each cup needs 200 mL of milk. For 10 guests, how many litres of milk are needed?
18. One tea bag makes 500 mL of tea. Four tea bags make how many litres?
19. Each bottle of juice is 1.25 L. If you have 4 bottles, what is the total volume in millilitres?
20. There are three pitchers of water, each 750 mL. What is the total in litres?
21. One biscuit weighs 40 g. Fifteen biscuits weigh how many kilograms?
22. A jar contains 1500 g of jam. How many kilograms is that?
23. Each sack of flour is 2 kg. How many sacks are needed to have 10 kg?
24. A straw is 80 mm long. What is its length in centimetres?
25. A place card is 0.5 cm thick. How many millimetres thick is it?
26. A cake pan has a diameter of 30 cm. What is the diameter in millimetres?
27. A centerpiece ribbon is 2 m 30 cm long. What is that length in centimetres?
28. Each guest brings 150 g of jam. If 6 guests bring jam, what is the total in kilograms?
29. A tea set weighs 3.2 kg. How many grams is that?
30. Each pitcher holds 1250 mL. Three pitchers hold how many litres?
31. Each biscuit package is 250 g. If you buy 8 packages, what is the total weight in kilograms?



## Math Worksheet for 5th Grade Converting metric units word problems

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32. You have 1.5 L of punch and you serve it in 500 mL cups. How many full cups can you fill?
33. A teacup holds 330 mL. If you fill 12 cups, how many litres of tea do you need?
34. The party needs 7500 mL of water. How many litres is that?
35. A ribbon roll is 5 m long. If you cut pieces of 1000 mm each, how many pieces do you get?

Time — Susan's break problems

36. Susan takes a 15-minute break. How many seconds is that?
37. Susan takes 3 short breaks of 5 minutes each. What is the total break time in minutes?
38. Susan's break is 1 hour 20 minutes. How many minutes long is the break?
39. Susan's break is 90 minutes. Express this as hours and minutes.
40. A timer is set for 120 seconds for Susan's short rest. How many minutes is that?
41. Susan's timer shows 150 seconds. How many minutes and seconds is that?
42. Susan takes 4 breaks of 10 minutes each. What is the total break time in minutes?
43. Susan has a 1.5-hour lunch break. How many minutes is that?
44. Susan has a 30-minute break each day for 5 days. What is the total break time in minutes and in hours?
45. Susan's break starts at 1:15 PM and lasts 45 minutes. What time does it end?
46. Susan's break starts at 11:50 and lasts 20 minutes. What time does it end?
47. Susan takes a 2-hour break. How many seconds is that?
48. Susan's breaks last 25 minutes, 15 minutes and 20 minutes. What is the total break time in minutes and in hours?
49. Susan has 5 breaks of 15 minutes each in a week. What is the total break time for the week in minutes and in  $\frac{\text{hours}}{\text{minutes}}$ ?
50. Susan takes a 6-minute stretch break. How many seconds is that?