



Math Worksheet for 5th Grade Converting metric units word problems

Name: _____

Due Date: _____

Teacher: _____

Parent Sign: _____

1. Aunt made 2.5 L of tea for the party. How many milliliters is that?
2. A pitcher holds 1500 mL of juice. How many liters does it hold?
3. Each teacup holds 200 mL. From 2 L of tea, how many full teacups can you fill?
4. The recipe calls for 250 g of sugar. How many kilograms is that?
5. A teaspoon holds 5 mL. If Lisa pours 40 mL, how many teaspoons did she use?
6. There are 12 guests. Each guest drinks 150 mL of juice. How many liters of juice are needed in total?
7. A cake recipe for 8 people uses 400 g of flour. If the recipe is tripled for 24 people, how many kilograms of flour are needed?
8. The table is 240 cm long. Convert its length to meters.
9. Each place setting needs a ribbon 45 cm long. For 10 place settings, what is the total ribbon length in meters?
10. A sugar jar contains 1250 g of sugar. How many kilograms is that?
11. Each teabag weighs 2 g. What is the mass of 48 teabags in grams and in kilograms?
12. A serving tray is 1200 mm long. Convert this length to meters.
13. A plate has diameter 18 cm. Express the diameter in millimeters.
14. A jug holds 3.75 L of lemonade. How many milliliters is that?
15. You need 2500 mL of milk for the party. Milk comes in 500 mL cartons. How many cartons do you need?
16. Each cookie weighs 20 g. A box contains 2 kg of cookies. How many cookies are in the box?
17. One teapot pours 750 mL of tea. How many full teapots can you fill from 6 L of tea?
18. A recipe needs 0.75 kg of apples. How many grams is that?
19. Guests bring 1250 g of strawberries and 0.5 kg of blueberries. What is the total mass of fruit in grams and in kilograms?
20. A napkin is 30 cm long. If it is folded in half, what is the folded length in centimeters and in meters?
21. The kitchen is 850 m from the garden. Express this distance in kilometers.
22. If 12 teaspoons together hold 60 mL, how many milliliters does one teaspoon hold?
23. The party needs 4500 mL of water. Water bottles hold 750 mL each. How many bottles are required?
24. You need 3.2 kg of flour. How many grams is that?
25. A cake needs 300 g of chocolate. Chocolate bars are 125 g each. How many bars must you buy to have enough chocolate?
26. Teacups hold 0.18 L each. How many milliliters does one teacup hold?
27. The centerpiece ribbon is 2.5 m long. Convert this length to centimeters.
28. Each guest drinks 250 mL of punch. For 18 guests, how many liters of punch are needed?
29. A cookie sheet measures 0.6 m by 0.4 m. Express these dimensions in centimeters.
30. A 5 kg bag of flour is shared equally among 25 guests. How many grams of flour does each guest get?



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Time problems – Susan’s break (convert times, add/subtract times, etc.)

31. Susan’s short break is 15 minutes. How many seconds is that?
32. Susan’s break lasts 1 hour 30 minutes. How many minutes is that?
33. Convert 90 minutes into seconds.
34. Susan takes three short breaks during the party: 20 minutes, 15 minutes, and 10 minutes. What is the total break time in minutes and in hours?
35. Susan’s lunch break is 45 minutes. She spends 25 minutes eating. How many seconds does she spend walking?
36. Susan starts a break at 12:10 and finishes at 12:45. How long was the break in minutes?
37. Susan’s break starts at 2:15 pm and lasts 1 hour 20 minutes. At what time does it end?
38. Susan’s break lasted 3,600 seconds. How many hours is that?
39. Susan’s 4-hour work period includes 3 equal short breaks. How many minutes long is each break?
40. Susan takes a 0.5-hour break. How many minutes and how many seconds is that?
41. Susan’s break lasted 125 minutes. Convert this time to hours and minutes.
42. Susan’s breaks in one day add up to 2 hours 45 minutes. Express this total in minutes and in seconds.
43. Susan sets a timer for 150 seconds. Express this time in minutes and seconds.
44. Susan splits a 20-minute break equally among 5 friends. How many seconds of the break does each friend get?
45. Susan starts a break at 10:50 and it lasts 35 minutes. What time does it end?
46. Susan worked 3.25 hours before taking a break. How many minutes did she work?
47. Susan’s break is 1.75 hours. How many minutes is that?
48. Susan takes a 2 minutes 30 seconds break between tasks, repeated 8 times. What is the total break time in seconds and in minutes?
49. Susan’s break was 0.02 days long. Convert this to minutes and to minutes-and-seconds.
50. Susan’s break lasted 5400 seconds. How many hours and minutes is that?