

Name _____

Converting Metric Units - Comparison Problems

Directions - You are helping friends make choices in everyday situations — running races, cooking, shopping, or planning trips. For each scenario, **compare the two measurements** and decide which is larger. Show your conversion work to explain your answer.



- 1) Ben is running a race. The course is listed as 1.2 km on one sign and 1200 m on another. Which distance is longer?
- 2) A bag of rice weighs 4500 g, but another brand says it weighs 5 kg. Which bag is heavier?
- 3) Emma is filling her water bottle. She has 0.85 L of water in one jug and 900 mL in another. Which jug has more water?
- 4) The swimming pool is 750 cm long, but the coach says it's 7.2 m. Which measurement shows a longer pool?
- 5) A cycling event advertises the course as 3.6 km, but the official guide says 3600 m. Which is correct - and which is larger?
- 6) At the café, a smoothie is served in a 2500 mL jug, while another jug is marked as 2.4 L. Which has more smoothie?
- 7) A candy bar wrapper says 0.045 kg, but the store label says 50 g. Which one has more chocolate?
- 8) A worm race track is marked as 980 mm, while the judge says it's 0.95 m. Which is longer?
- 9) During a marathon, the announcer says the next marker is at 7.5 km, but the sign says 7500 m. Which is farther?
- 10) Two flour bags are compared: one is labeled 3200 g, and the other is 3.25 kg. Which bag contains more flour?
- 11) A sports drink bottle holds 2.5 L, but another says it has 2500 mL. Which holds more?
- 12) At the fabric store, one roll is measured as 140 cm, and another is 1.4 m. Which roll is longer?
- 13) A vitamin bottle says it contains 18,000 mg of calcium, while another lists 18 g. Which bottle has more calcium?
- 14) A road sign says the next city is 6500 m away, but the map says 6.5 km. Which distance is farther?
- 15) A recipe calls for 0.34 L of milk, but another version of the recipe says 340 mL. Which has more milk?