

Name: Class:

Convert and compare metric units

1. Which sign makes the statements below true. Complete with $<$, $>$, $=$.

50 grams 7 kilograms

convert 50 grams to kilograms.

if 1 000 grams = 1 kilogram

therefore, 50 grams = $\frac{50 \text{ grams} \times 1 \text{ kilogram}}{1\,000 \text{ grams}}$

$$= \frac{50}{1,000} = \frac{50 \div 50}{1000 \div 50} = \frac{1}{20} \text{ kilogram}$$

now compare $\frac{1}{20}$ kilogram with 7 kilograms

$\frac{1}{20}$ kilogram is less than 7 kilograms

which implies that 50 grams $<$ 7 kilograms

2. 1 Liter 1 000 milliliters

3. 75 km 200 m

4. 250 cm 50 meters

5. 7 cg 70 milligrams

6. 1 kg 3, 500 grams

7. 800 ml 236 centiliters

8. 50 dm 100 cm

9. 85 g 1 kg

10. 1, 1 89 mg 1 gram

11. 1 dm 10 cm



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