

26. Measurement Word Problems

a)

Measurement word problems: first **convert to the same unit**, then calculate

A road is 2 km 500 m long,
Xiao Ming walked 1 km 800 m. How much is left?

$$2 \text{ km } 500 \text{ m} = 2500 \text{ m}$$

$$1 \text{ km } 800 \text{ m} = 1800 \text{ m}$$

$$2500 - 1800 = 700 \text{ m}$$

b)

Xiao Hong bought 3 kg of apples and 500 g of grapes.
How many grams of fruit did she buy altogether?

$$3 \text{ kg} = \boxed{} \text{ g}$$

$$\boxed{} + 500 = \boxed{} \text{ g}$$

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c)

A bucket holds 5 L of water. Each cup holds 250 mL.

How many cups can be filled?

$$5 \text{ L} = \boxed{} \text{ mL}$$

$$\boxed{} \div 250 = \boxed{} \text{ cups}$$

d)

A movie started at 1:30 and lasted 90 minutes.

What time did the movie end?

$$90 \text{ min} = \boxed{} \text{ hr } \boxed{} \text{ min}$$

$$1:30 + \boxed{} \text{ hr } \boxed{} \text{ min} = \boxed{}$$

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e)

A rope is 4 m 60 cm long.

After cutting off 1 m 80 cm, how much is left?

$$4 \text{ m } 60 \text{ cm} = \boxed{} \text{ cm}$$

$$1 \text{ m } 80 \text{ cm} = \boxed{} \text{ cm}$$

$$\boxed{} - \boxed{} = \boxed{} \text{ cm}$$

f)

Xiao Ming runs 400 m per lap and ran 5 laps.

How many kilometers did he run altogether?

$$5 \times 400 = \boxed{} \text{ m}$$

$$\boxed{} \text{ m} = \boxed{} \text{ km}$$