

25. Unit Conversions

a)

$$1 \text{ km} = 1000 \text{ m} \quad | \quad 1 \text{ kg} = 1000 \text{ g} \quad | \quad 1 \text{ L} = 1000 \text{ mL} \quad | \quad 1 \text{ hr} = 60 \text{ min}$$

$$3 \text{ km} = ? \text{ m} \rightarrow 3 \times 1000 = 3000 \text{ m}$$

$$5 \text{ kg} = ? \text{ g} \rightarrow 5 \times 1000 = 5000 \text{ g}$$

$$2 \text{ hr} = ? \text{ min} \rightarrow 2 \times 60 = 120 \text{ min}$$

b)

$$4 \text{ km} = \boxed{} \text{ m}$$

$$7 \text{ kg} = \boxed{} \text{ g}$$

$$3 \text{ L} = \boxed{} \text{ mL}$$

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c)

$$6 \text{ km} = \text{ } \text{ m}$$

$$9 \text{ kg} = \text{ } \text{ g}$$

$$5 \text{ hr} = \text{ } \text{ min}$$

d)

$$2000 \text{ m} = \text{ } \text{ km}$$

$$8000 \text{ g} = \text{ } \text{ kg}$$

$$120 \text{ min} = \text{ } \text{ hr}$$

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e)

$$5000 \text{ mL} = \text{ } \text{ L}$$

$$300 \text{ cm} = \text{ } \text{ m}$$

$$240 \text{ min} = \text{ } \text{ hr}$$

f)

Xiao Ming ran 3 km, Xiao Hong ran 2000 m.

Who ran farther?

$$3 \text{ km} = \text{ } \text{ m} \rightarrow \text{ } > 2000 \text{ m}$$