

文字式と単位2

名前

点

1. 次の□に適切な数値や文字式を書きなさい。

(1) $3 \text{ kg} = \square \text{ g}$

$a \text{ kg} = \square \text{ g}$

(2) $2 \text{ m} = \square \text{ cm}$

$x \text{ m} = \square \text{ cm}$

(3) $5 \text{ mm} = \square \text{ m}$

$x \text{ mm} = \frac{x}{\square} \text{ m} = \square \text{ m}$
(小数)

(4) $3 \text{ L} = \square \text{ dL}$

$a \text{ L} = \square \text{ dL}$

(5) $2 \text{ 時間} = \square \text{ 秒}$

$b \text{ 時間} = \square \text{ 秒}$

(6) $\text{分速 } 800 \text{ km} = \text{時速 } \square \text{ km}$

$\text{分速 } y \text{ m} = \text{時速 } \square \text{ km}$

(7) $\text{時速 } 6 \text{ km} = \text{分速 } \square \text{ m}$

$\text{時速 } x \text{ km} = \text{分速 } \frac{x}{\square} \text{ m}$

(8) $3 \text{ 割} = \frac{3}{\square} = \square \text{ (小数で)}$

$a \text{ 割} = \frac{a}{\square} = \square \text{ (小数で)}$

解答

$$(1) \quad 3 \text{ kg} = \boxed{3000} \text{ g}$$

$$a \text{ kg} = \boxed{1000 a} \text{ g}$$

$$(2) \quad 2 \text{ m} = \boxed{200} \text{ cm}$$

$$x \text{ m} = \boxed{100 x} \text{ cm}$$

$$(3) \quad 5 \text{ mm} = \boxed{0.005} \text{ m} \quad \frac{5}{1000} = \frac{1}{200}$$

$$x \text{ mm} = \frac{x}{\boxed{1000}} \text{ m} = \boxed{0.001 x} \text{ m}$$

(小数)

$$(4) \quad 3 \text{ L} = \boxed{30} \text{ dL}$$

$$a \text{ L} = \boxed{10 a} \text{ dL}$$

$$(5) \quad 2 \text{ 時間} = \boxed{7200} \text{ 秒}$$

$$b \text{ 時間} = \boxed{3600 b} \text{ 秒}$$

$$(6) \quad \begin{array}{l} \text{分速 } 800 \text{ m} = \text{時速 } \boxed{48} \text{ km} \\ \text{時速 } 800 \times 60 = 48000 \text{ m} \end{array}$$

$$\begin{array}{l} \text{分速 } y \text{ m} = \text{時速 } \boxed{\frac{3}{50} y} \text{ km} \\ y \times 60 \div 1000 = \frac{3}{50} y \end{array}$$

$$(7) \quad \text{時速 } 6 \text{ km} = \text{分速 } \boxed{\frac{1}{10}} \text{ km}$$

$$\frac{6}{60} = \frac{1}{10}$$

$$\text{時速 } x \text{ km} = \text{分速 } \frac{x}{\boxed{60}} \text{ km}$$

$$(8) \quad 3 \text{ 割} = \frac{\boxed{3}}{\boxed{10}} = \boxed{0.3} \text{ (小数)}$$

$$a \text{ 割} = \frac{\boxed{a}}{\boxed{10}} = \boxed{0.1 a} \text{ (小数)}$$