

- 1) 45 is what percent of 18?
- 2) 8.6 is 5% of what number?
- 3) Linda earns \$40 base pay per week, plus 10% commission on all sales. What were her sales if she made \$112 in one week?
- 4) Juliet sold a house for \$112,000. What percent commission did she receive if she earned \$6,720?
- 5) John makes 2% royalties on a book he wrote. How much money did his book earn in sales last year if he made \$53,000 in royalties?

⑥

~~$$\frac{261}{58} = \frac{x}{14}$$~~

$$\frac{58x}{58} = \frac{3654}{58}$$

$$x = 63$$

63 cookies

①

~~$$\frac{2}{6} = \frac{15}{x}$$~~

$$\frac{2x}{2} = \frac{90}{2}$$

---

$$x = 45$$

(4)

~~$$\frac{5}{12.60} = \frac{8}{17.40}$$~~

$$5 \cdot 17.40 \quad 8 \cdot 12.60$$

$$87 \neq 100.8$$

no

⑫

A	B
$\frac{42}{14}$	$\frac{18}{5}$
\$3/02	\$3.60/02

A

⑧

$$\frac{52}{8} = 6.5$$

6.5 passes/min

⑩

$$3\frac{1}{2} \div \frac{6}{5}$$

$$\frac{7}{2} \div \frac{6}{5}$$

$$\frac{7}{2} \cdot \frac{5}{6} = \frac{35}{12} = 2\frac{7}{6} = 2\frac{1}{5} = 4\frac{1}{5} \text{ km/h}$$

② (1, 2)

②



$$\textcircled{a} \quad \frac{52}{3} = 17.3333\overline{3}$$

$$\textcircled{17.33 \text{ m/s}}$$

1) 45 is what percent of 18?

(% as a decimal) (of) = (is)

$$\frac{p \cdot 18}{18} = \frac{45}{18}$$
$$p = 2.5$$

250%

2) 8.6 is 5% of what number?

$$\left(\begin{array}{l} \% \text{ as a} \\ \text{decimal} \end{array}\right) (\text{of}) = (\text{is})$$

$$\begin{array}{r} 0.05x = 8.6 \\ \hline 0.05 \quad 0.05 \\ \hline x = 172 \end{array}$$

3) Linda earns \$40 base pay per week, plus 10% commission on all sales. What were her sales if she made \$112 in one week?

$$112 - 40 = 72$$

$$\begin{array}{r} 0.1x = 72 \\ \hline 0.1 \quad 0.1 \\ \hline x = 720 \\ \$720 \end{array}$$

4) Juliet sold a house for \$112,000. What percent commission did she receive if she earned \$6,720?

$$\frac{p \cdot 112000 = 6720}{112000} \quad \frac{6720}{112000}$$
$$p = 0.06$$

6%

5) John makes 2% royalties on a book he wrote. How much money did his book earn in sales last year if he made \$53,000 in royalties?

$$\frac{0.02x}{0.02} = \frac{53000}{0.02}$$

$$x = 2650000$$

$$\$2,650,000$$