

Page	Answers
169	(a) $\frac{1}{2}$ (b) $\frac{2}{25}$ (c) $\frac{3}{4}$ (d) $\frac{5}{100}$ or $\frac{1}{20}$ (e) 0.15 (f) 0.7 (g) 0.35 (h) 0.14

Page	Answers
180	(1) (a) 0.50 (b) 0.60 (c) 0.26 (d) 0.12 (e) 0.09 (f) 0.30 (2) (a) 0.46 (b) 0.05 (c) 3.03 (d) 16.09 (e) 108.47 (f) 10.02 (g) 300.08

200

$$(1) \quad (a) \quad \frac{30}{100} = 30\% \qquad (b) \quad \frac{6}{100} = 6\%$$

$$(c) \quad \frac{14}{100} = 14\%$$

201

$$(2) \quad (a) \quad 3\% \text{ of } \$200 = \frac{3}{100} \times \$200 \\ = \$6$$

$$(b) \quad 11\% \text{ of } 220 \text{ m} = \frac{11}{100} \times 220 \text{ m} \\ = 24.2 \text{ m}$$

$$(c) \quad 20\% \text{ of } 70 \text{ kg} = \frac{20}{100} \times 70 \text{ kg} \\ = 14 \text{ kg}$$

$$(d) \quad 50\% \text{ of } 180 \text{ ml} = \frac{50}{100} \times 180 \text{ ml} \\ = 90 \text{ ml}$$

$$(e) \quad 25\% \text{ of } 180 \text{ ml} = \frac{25}{100} \times 180 \text{ ml} \\ = 45 \text{ ml}$$

(3) (a) Convert the percentage to a fraction.

$$10\% = \frac{10}{100} = \frac{1}{10}$$

Multiply the fraction by the cost of the computer.

$$\begin{aligned} \frac{1}{10} \times \$470 &= \frac{470}{10} \\ &= \$47 \end{aligned}$$

So, \$47 is saved by buying the computer during the sale.

(b) We subtract the saving from the original price.

$$\$470 - \$47 = \$423$$

The computer costs \$423 during the sale.

Page	Answers
203	<p>(1) (a)</p> $\begin{aligned} &\frac{60}{100} \times 120 \\ &= \frac{60 \times 120}{100} \\ &= \frac{7200}{100} \\ &= 72 \text{ kg} \end{aligned}$ <p>(b)</p> $\begin{aligned} &\frac{25}{100} \times 240 \\ &= \frac{25 \times 240}{100} \\ &= \frac{6000}{100} \\ &= 60 \text{ ml} \end{aligned}$ <p>(2)</p> $\frac{80}{100} \times 95 = 76$ <p>Han has read 76 pages of the storybook.</p>