

**PRIOR LEARNING**

## Incomes and budgets

1 A percentage:

- A is a number from 0 to 100
- B must be less than 100%
- C is a number expressed as a decimal
- D is a number out of 100
- E is divided by 100

2 What is  $\frac{1}{2}$  as a percentage? \_\_\_\_\_

3 Evaluate each expression without a calculator.

- a  $3.6 \times 100$  \_\_\_\_\_
- b  $0.04 \times 100$  \_\_\_\_\_
- c  $0.031 \times 100$  \_\_\_\_\_
- d  $\frac{3}{5} \times 100$  \_\_\_\_\_
- e  $\frac{5}{7} \times 100$ , correct to one decimal place \_\_\_\_\_

4 Evaluate each expression without a calculator.

- a  $2.7 \div 100$  \_\_\_\_\_
- b  $62.1 \div 100$  \_\_\_\_\_
- c  $156 \div 100$  \_\_\_\_\_
- d  $33\frac{1}{3} \div 100$  as a fraction \_\_\_\_\_
- e  $62.5 \div 100$  as a fraction \_\_\_\_\_

5 Evaluate each expression with a calculator, correct to the nearest cent.

a  $\$49\,000 \div 52$  \_\_\_\_\_

b  $\$76\,480 \div 26$  \_\_\_\_\_

c  $\$785 \div 38$  \_\_\_\_\_

d  $\$1640 \div 38$  \_\_\_\_\_

e  $\$120\,452 \div 12$  \_\_\_\_\_

6 Evaluate each expression.

a  $\$1740 \times 26$  \_\_\_\_\_

b  $\$17.84 \times 38$  \_\_\_\_\_

c  $\$847.60 \times 52$  \_\_\_\_\_

d  $\$19.6345 \times 38$  to the nearest cent \_\_\_\_\_

e  $\$5427 \times 12$  \_\_\_\_\_

7 Evaluate each expression, correct to the nearest cent.

a  $0.25 \times \$22.47$  \_\_\_\_\_

b  $1.25 \times \$19.80$  \_\_\_\_\_

c  $0.43 \times \$497$  \_\_\_\_\_

d  $1\frac{1}{2} \times \$17.65$  \_\_\_\_\_

e  $2\frac{1}{2} \times \$25.46$  \_\_\_\_\_

**Answers**

1 D

2 50%

3 a 360

b 4

c 3.1

d 60

e 71.4

4 a 0.027

b 0.621

c 1.56

d  $\frac{1}{3}$ e  $\frac{5}{8}$ 

5 a \$942.31

b \$2941.54

c \$20.66

d \$43.16

e \$10 037.67

6 a \$45 240

b \$677.92

c \$44 075.20

d \$746.11

e \$65 124

7 a \$5.62

b \$24.75

c 213.71

d \$26.48

e \$63.65