Working with percentages

1 Convert to simplified fractions:

    a 70% _____

    b 12% _____

    c 40% _____

    d 33% _____

    e 5% _____

    f 75% _____

2 Convert to decimals:

    a 18% _____

    b 9% _____

    c 65% _____

    d 20% _____

    e 12 % _____

    f 88.3% _____

3 Find:

    a 25% of $260 _____

    b 10% of $110 _____

    c 60% of $80 _____

    d 12% of $36 _____

    e 5% of $180 _____

    f 20% of $748 _____

    g 1% of $255 _____

    h 33% of $420 _____

4 Increase:

    a $320 by 5% _____

    b $42 by 30% _____

    c $120 by 66% _____

    d $700 by 8% _____

5 18% of 500 = ? (Select the correct answer.)

    A 90   **B** 9   **C** 200   **D** 2

6 Express as percentages:

    a 11 out of 55 _____

    b $18 of $24 _____

    c 40 minutes of 2 hours _____

    d 12 cm of 1 m _____

    e 375 mL of 3 L _____

    f 12 goals out of 15 attempts _____

7 Find:

    a 80% of 4 L _____

    b 5% of $72 _____

    c 33% of 2 hours _____

    d 2% of $300 _____

    e 1% of 60 _____

    f 75% of 5 kg _____

    g 15% of $20 _____

    h 110% of $350 _____

8 7% of $850 = ? (Select the correct answer.)

    A $955   **B** $59.50   **C** $595   **D** $95.50

9 Decrease:

    a $150 by 5%   **b** $77 by 10%   **c** $250 by 80%   **d** $440 by 12%

Answers

1 **a** $\frac{7}{10}$ **b** $\frac{3}{25}$

  c $\frac{2}{5}$ **d** $\frac{1}{3}$

  e $\frac{1}{20}$ **f** $\frac{3}{4}$

2 **a** 0.18 **b** 0.09

  c 0.65 **d** 0.2

  e 0.125 **f** 0.883

3 **a** $65 **b** $11

  c $48 **d** $4.50

  e $9 **f** $149.60

  g $2.55 **h** $140

4 **a** $336 **b** $54.60

  c $200 **d** $756

5 A

6 **a** 20% **b** 75%

  c 33% **d** 12%

  e 12.5% **f** 80%

7 **a** 3.2 L **b** $3.60

  c 40 min **d** $7.50

  e 0.6 **f** 3.75 kg

  g $3 **h** $385

8 B

9 **a** $142.50 **b** $69.30

  c $50 **d** $385