

$$\begin{array}{r} 37.78 \\ - 7.60 \\ \hline 30.18 \end{array}$$

$$b) 7.64 \times 80 = 76.4 \times 8$$

$$\begin{array}{r} 76.4 \\ \times 8 \\ \hline 611.2 \end{array}$$

$$c) \begin{array}{r} 0.51725 \\ 4 \overline{) 2.06900} \end{array}$$

$$d) 720 \div 8 \times 3 = 90 \times 3$$

2a) $12:48 \xrightarrow{2 \text{ hrs}} 14:48 \xrightarrow{12 \text{ mins}} 15:00 \xrightarrow{33 \text{ mins}} 15:33 = 270 \text{ Kg.}$

b) $18:25 \xrightarrow{2 \text{ hrs}} 20:25 \xrightarrow{35 \text{ mins}} 21:00 \xrightarrow{2 \text{ mins}} 21:02$

2 hrs 45 mins

3) $10\% \Rightarrow 230 \div 10 = 23 \text{ L}$
 $5\% \Rightarrow 23 \div 2 = 11.5 \text{ L}$

$$\begin{array}{r} 11.5 \\ 2 \overline{) 23.0} \end{array}$$

$35\% \Rightarrow 23 \times 3 + 11.5 = 69 + 11.5 = 80.5 \text{ L}$

4)
$$\frac{4 + 6 + (-2) + 8 + (-1)}{5} = \frac{15}{5} = 3$$

5) a) $5 \div 2 = 2.5 \text{ m}$ b) $12.6 \times 2 = 25.2 \text{ mm}$

6) a) $894000000 = 8.94 \times 10^8$ b) $7.6 \times 10^{-4} = 0.00076$

7) $0.707, \frac{3}{4}, 76\%, 0.07, \frac{7}{10}$
 $= 0.707, 0.75, 0.76, 0.07, 0.07$

8) $210 \text{ g} \rightarrow 3 \text{ m}^2$ $6 \overline{) 210} \begin{array}{l} 3 \cdot 3 \\ 0 \end{array}$
 $35 \text{ g} \rightarrow 0.5 \text{ m}^2$
 $175 \rightarrow 2.5 \text{ m}^2$

1. a) $400 \times 1.43 = \text{€}572$ b) $235 \div 1.43 = \text{€}164.34$

2. a) $D = S \times T$
 $= 54 \times 2.25$
 $= 121.5 \text{ Km}$

b) $T = \frac{D}{S}$
 $= \frac{279.5}{65}$
 $= 4.3 \text{ hrs}$
 $= 4 \text{ hrs } 18 \text{ mins}$

3. Annual Interest Monthly Interest 3 months Interest

6.5% of $\text{€}1860$
 $= 6.5 \div 100 \times 1860$
 $= \text{€}120.90$

$120.90 \div 12$
 $= \text{€}10.075$

3×10.075
 $= 30.225$
 $= \underline{\underline{\text{€}30.23}}$

4. a) Weekly Pay Annual Pay

12.70×35
 $= \text{€}444.50$

444.50×52
 $= \text{€}23114$

b) 1.5×12.70
 $= \text{€}19.05$

5. a) $170000 \div 1000 \times 1.40$
 $= 170 \times 1.40$
 $= \text{€}238$

b) $238 \div 52$
 $= 4.5769\dots$
 $= \text{€}4.58$

6. Total people

$6 + 5 + 12 + 10 + 7$
 $= 40$

France: $\frac{6}{40} \times 360^\circ = 54^\circ$

Italy: $\frac{5}{40} \times 360^\circ = 45^\circ$

Spain: $\frac{12}{40} \times 360^\circ = 108^\circ$

UK: $\frac{10}{40} \times 360^\circ = 90^\circ$

USA: $\frac{7}{40} \times 360^\circ = 63^\circ$

$$7) A: 7980 - 7465 \\ = 515$$

$$B: 515 \times 6.583 \\ = 3390.245 \div 100 \\ = 33.90245 \\ = \pounds 33.90$$

$$C: 33.90 + 8.74 \\ = \pounds 42.64$$

$$D: 5 \div 100 \times 42.64 \\ = 2.132 \\ = \pounds 2.13$$

$$E: 42.64 + 2.13 \\ = \pounds 44.77$$

8.

