

Level 4 Homework 21

1.
$$\begin{array}{r} 8 \cdot 0 \ 8 \\ + 4 \cdot 9 \ 6 \\ \hline \\ \hline \end{array}$$

2.
$$\begin{array}{r} 5 \cdot 0 \ 4 \\ - 0 \cdot 5 \ 7 \\ \hline \\ \hline \end{array}$$

3.
$$\begin{array}{r} 7 \cdot 6 \ 3 \\ \times \quad 6 \\ \hline \\ \hline \end{array}$$

4.
$$9 \overline{) 7 \cdot 1 \ 1}$$

- 5** A cooker can be bought by paying a deposit of £59 followed by 12 instalments of £45.

Calculate the total price of the cooker.

- 6** Solve algebraically the equation

$$11 + 5x = 2x + 29.$$

- 7** 2000 tickets are sold for a raffle in which the star prize is a television. Kirsty buys 10 tickets for the raffle. What is the probability that she wins the star prize?

- 8** An overnight train left London at 2040 and reached Inverness at 0810 the next day.

The distance travelled by the train was 552 miles.

Calculate the average speed of the train.

- 9** (a) Multiply out the brackets and simplify

$$2(4 - t) + 5t.$$

(b) Factorise

$$10y - 35.$$