

## Homework 24

1. 
$$\begin{array}{r} 8 \cdot 6 \ 9 \\ + 3 \cdot 5 \ 8 \\ \hline \\ \hline \end{array}$$

2. 
$$\begin{array}{r} 5 \cdot 1 \ 5 \\ - 2 \cdot 2 \ 6 \\ \hline \\ \hline \end{array}$$

3. 
$$\begin{array}{r} 8 \cdot 8 \ 7 \\ \times \quad 6 \\ \hline \\ \hline \end{array}$$

4. 
$$9 \overline{) 8 \cdot 6 \ 4}$$

- 5 Use the formula below to find the value of  $I$  when  $P = 70$ ,  $T = 0.5$  and  $R = 8$ .

$$I = \frac{PTR}{100}$$

- 6 Solve algebraically the equation

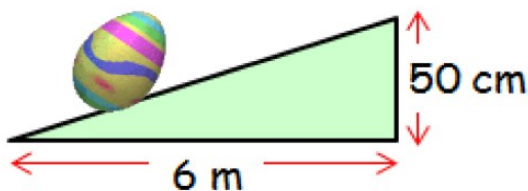
$$4x + 11 = 46 - x.$$

- 7 (a) Multiply out the brackets and simplify

$$3(2t + 5) + 2(7 - t).$$

- (b) Factorise  $12p - 20.$

- 8 Calculate the gradient of the following hill...



- 9 Sketch and then find both the area and perimeter of a semi-circle with diameter 12 cm.