

Long division steps

Divide, multiply, subtract, bring down. Repeat for each digit.

1 Study the model.

$$\begin{array}{r} 28 \\ 3 \overline{) 84} \\ \underline{-6} \\ 24 \\ \underline{-24} \\ 0 \end{array}$$

Worked example: $84 \div 3$

- ① **Divide** $8 \div 3 = 2$ (as many as fit). Write 2 above the 8.
- ② **Multiply** $2 \times 3 = 6$. Write 6 under the 8.
- ③ **Subtract** $8 - 6 = 2$. It must be less than 3.
- ④ **Bring down** Bring down the 4 to make 24.

Repeat with 24: $24 \div 3 = 8$, $8 \times 3 = 24$, $24 - 24 = 0$.

So $84 \div 3 = 28$.

Check: $28 \times 3 = 84$

2 Divide. Follow the steps and fill each box.

1.
$$\begin{array}{r} \\ 4 \overline{) 72} \\ \underline{-} \\ \\ \underline{-} \\ \end{array}$$

2.
$$\begin{array}{r} \\ 6 \overline{) 96} \\ \underline{-} \\ \\ \underline{-} \\ \end{array}$$

3.
$$\begin{array}{r} \\ 5 \overline{) 85} \\ \underline{-} \\ \\ \underline{-} \\ \end{array}$$

4.
$$\begin{array}{r} \\ 3 \overline{) 78} \\ \underline{-} \\ \\ \underline{-} \\ \end{array}$$

5.
$$\begin{array}{r} \\ 4 \overline{) 92} \\ \underline{-} \\ \\ \underline{-} \\ \end{array}$$

6.
$$\begin{array}{r} \\ 7 \overline{) 98} \\ \underline{-} \\ \\ \underline{-} \\ \end{array}$$

7.
$$\begin{array}{r} \\ 3 \overline{) 87} \\ \underline{-} \\ \\ \underline{-} \\ \end{array}$$

8.
$$\begin{array}{r} \\ 7 \overline{) 91} \\ \underline{-} \\ \\ \underline{-} \\ \end{array}$$

3 Solve the orchard problems.

9. Amaru picks 84 apples. He shares them equally into 4 baskets. How many apples go in each basket?

Answer apples

10. The class has 96 apples to pack into bags of 8. How many bags can they fill?

Answer bags