Short Division – Spot the Mistakes **Answers**

For each calculation below, circle the mistake and write a sentence to explain it. Then, work out the correct answer.

1. 6845 ÷ 5:

$$\begin{array}{c c c c c} & 1 & 3 & 4 & 9 \\ \hline 5 & 6 & {}^{1}8 & {}^{②}4 & {}^{4}5 \end{array}$$

6845 ÷ 5 = 1369

18 ÷ 5 is 3 remainder 3, not 3 remainder 2.

2. 681 ÷ 3:

$$\begin{array}{c c c c} & 2 & 2 & 0 & \text{r1} \\ \hline 3 & 6 & 8 & {}^{○}1 \end{array}$$

681 ÷ 3 = 227

There's a missing remainder of 2.

3. 8652 ÷ 7:

$$\begin{array}{c c c c c} & 1 & 2 & 3 & ⑦ \\ \hline 7 & 8 & {}^{1}6 & {}^{2}5 & {}^{4}2 \end{array}$$

8652 ÷ 7 = 1236

42 ÷ 7 is 6, not 7.

4. 1080 ÷ 8:

$$\begin{array}{c c c c c} & 0 & ⑩ & 1 & 0 \\ \hline 8 & 1 & {}^{⑧}0 & 8 & 0 \end{array}$$

1080 ÷ 8 = 135

1 ÷ 8 is not 0 remainder 8, it's 0 remainder 1. This mistake gives ten on the answer line, which is also wrong.

5. 681 ÷ 4:

$$\begin{array}{c c c c c} & 1 & 7 & 0 & ⟨.\ 1⟩ \\ \hline 4 & 6 & {}^{2}8 & 1 \end{array}$$

681 ÷ 4 = 170.25

With a decimal answer, you can't just add the remainder to your answer after a decimal point.

6. 243 ÷ 8:

$$\begin{array}{c c c c c c c} & 0 & 3 & 0 & ○3 & 4 & 5 \\ \hline 8 & 2 & {}^{2}4 & 3 & .\ {}^{3}0 & {}^{6}0 & {}^{4}0 \end{array}$$

243 ÷ 8 = 30.375

When you add a decimal point in the number you are dividing, you must also put one in your answer.

7. 653.1 ÷ 5:

$$\begin{array}{c c c c c c} & 1 & 3 & 0 & 6 & ⊙\ 2 \\ \hline 5 & 6 & {}^{1}5 & 3 & ⊙\ {}^{3}1 & {}^{1}0 \end{array}$$

653.1 ÷ 5 = 130.62

The decimal points must line up.

8. 5 ÷ 8:

$$\begin{array}{c c} & 1\ .\ 6 \\ \hline ⟨5⟩\ 8 & .\ {}^{3}0 \end{array}$$

5 ÷ 8 = 0.625

The question given is 5 ÷ 8.

The calculation done is 8 ÷ 5.