

# Maths Mastery

## Short Division

### Challenge Cards

#### Short Division

1. Explain the mistakes in these calculations:

$$\begin{array}{r} 207 \\ 12 \overline{)324} \end{array}$$

$$\begin{array}{r} 16 \text{ r}8 \\ 14 \overline{)224} \end{array}$$

$$\begin{array}{r} 75 \\ 11 \overline{)715} \end{array}$$

#### Short Division

2. Find the missing numbers in these calculations:

$$\begin{array}{r} 2\Box\Box \\ 12 \overline{)3\Box80} \end{array}$$

$$\begin{array}{r} 30\Box \\ 1\Box \overline{)52\Box3} \end{array}$$

$$\begin{array}{r} \Box16 \\ \Box3 \overline{)95\Box8} \end{array}$$

$$\begin{array}{r} \Box1\Box \text{ r}7 \\ 13 \overline{)66\Box9} \end{array}$$

$$\begin{array}{r} 2\Box7 \text{ r}9 \\ \Box8 \overline{)\Box175} \end{array}$$

$$\begin{array}{r} 33\Box \text{ r}14 \\ 21 \overline{)7\Box\Box0} \end{array}$$

#### Short Division

3. Find the missing numbers in these calculations:

$$\begin{array}{r} 7\Box8 \frac{\Box}{11} \\ 11 \overline{)8\Box58} \end{array}$$

$$\begin{array}{r} 492 \frac{1}{3} \\ 1\Box \overline{)7\Box8\Box} \end{array}$$

$$\begin{array}{r} \Box40 \\ \Box1 \overline{)57\Box0} \end{array}$$

$$\begin{array}{r} 5\Box3.\Box \\ 14 \overline{)\Box02\Box0} \end{array}$$

$$\begin{array}{r} \Box12.2\Box \\ 1\Box \overline{)819\Box.00} \end{array}$$

$$\begin{array}{r} 309.\Box \\ \Box5 \overline{)7\Box4\Box0} \end{array}$$

# Maths Mastery Short Division

## Answers

1. 
$$\begin{array}{r} 27 \\ 12 \overline{)324} \end{array}$$
  $32 \div 12 = 2r8$ . The 2 goes above the 2 in 324.  
Answer = 27

$$\begin{array}{r} 16 \\ 14 \overline{)224} \end{array}$$
  $22 \div 14 = 1r8$ , Replace r6 with r8  
Answer = 16

$$\begin{array}{r} 65 \\ 11 \overline{)715} \end{array}$$
  $71 \div 11 = 6+5$   
Answer = 65

2.

$$\begin{array}{r} 265 \\ 12 \overline{)3180} \end{array}$$

$$\begin{array}{r} 309 \\ 17 \overline{)5253} \end{array}$$

$$\begin{array}{r} 416 \\ 23 \overline{)9568} \end{array}$$

$$\begin{array}{r} 514 \text{ r}7 \\ 13 \overline{)6689} \end{array}$$

$$\begin{array}{r} 287 \text{ r}9 \\ 18 \overline{)5175} \end{array}$$

$$\begin{array}{r} 336 \text{ r}14 \\ 21 \overline{)7070} \end{array}$$

3.

$$\begin{array}{r} 768 \frac{10}{11} \\ 11 \overline{)8458} \end{array}$$

$$\begin{array}{r} 492 \frac{1}{3} \\ 15 \overline{)7385} \end{array}$$

$$\begin{array}{r} 240 \\ 21 \overline{)5760} \end{array}$$

$$\begin{array}{r} 573.5 \\ 14 \overline{)8029.0} \end{array}$$

$$\begin{array}{r} 512.25 \\ 16 \overline{)8196.00} \end{array}$$

$$\begin{array}{r} 309.6 \\ 25 \overline{)7740.0} \end{array}$$