

Maths Mastery

Short Division

Challenge Cards



Short Division

1. Explain the mistakes in these calculations:

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

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

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

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2. Find the missing numbers in these calculations:

$$\begin{array}{r} 2 \square \square \\ 12 \overline{)3 \square 80} \end{array}$$

$$\begin{array}{r} 30 \square \\ 1 \square \overline{)52 \square 3} \end{array}$$

$$\begin{array}{r} \square 16 \\ \square 3 \overline{)95 \square 8} \end{array}$$

$$\begin{array}{r} \square 1 \square \text{ r}7 \\ 13 \overline{)66 \square 9} \end{array}$$

$$\begin{array}{r} 2 \square 7 \text{ r}9 \\ \square 8 \overline{)\square 175} \end{array}$$

$$\begin{array}{r} 33 \square \text{ r}14 \\ 21 \overline{)7 \square \square 0} \end{array}$$

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3. Find the missing numbers in these calculations:

$$\begin{array}{r} 7 \square 8 \frac{\square}{11} \\ 11 \overline{)8 \square 58} \end{array}$$

$$\begin{array}{r} 492 \frac{1}{3} \\ 1 \square \overline{)7 \square 8 \square} \end{array}$$

$$\begin{array}{r} \square 40 \\ \square 1 \overline{)57 \square 0} \end{array}$$

$$\begin{array}{r} 5 \square 3. \square \\ 14 \overline{)\square 02 \square 0} \end{array}$$

$$\begin{array}{r} \square 12.2 \square \\ 1 \square \overline{)819 \square 00} \end{array}$$

$$\begin{array}{r} 309. \square \\ \square 5 \overline{)7 \square 4 \square 0} \end{array}$$

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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.

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

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

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

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

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

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