

Calculation Support

Below are the answers to the calculation check-up as well as the working out. Please use these to help with any future calculations given out.

Addition

$$9784 + 23437 =$$

$$801.5 + 433.07 =$$

$$568324 + 32,046 =$$

$$926.8 + 12.084 =$$

$$997,330 + 39894 =$$

$$361.72 + 23.004 =$$

Remember to line up the decimal points.

Red

$$\begin{array}{r} 9784 \\ + 23437 \\ \hline 33221 \end{array}$$
$$\begin{array}{r} 801.50 \\ + 433.07 \\ \hline 1234.57 \end{array}$$

Amber

$$\begin{array}{r} 568324 \\ + 32046 \\ \hline 600370 \end{array}$$
$$\begin{array}{r} 926.800 \\ + 12.084 \\ \hline 938.884 \end{array}$$

Green

$$\begin{array}{r} 997330 \\ + 39894 \\ \hline 1037224 \end{array}$$
$$\begin{array}{r} 361.720 \\ + 23.004 \\ \hline 384.724 \end{array}$$

Subtraction

$14809 - 278.9 =$

$66405 - 21395 =$

$4770.4 - 276.16 =$

$35059 - 2983 =$

$423.498 - 246.5 =$

$213.99 - 200.545 =$

Red

$$\begin{array}{r} 14809.0 \\ - 278.9 \\ \hline 14530.1 \end{array}$$

$$\begin{array}{r} 66405 \\ - 21395 \\ \hline 45010 \end{array}$$

Remember to line up the decimal points and put a place holder (0) in if needed.

“Excuse me MR...
Chuck us one over!”

Amber

$$\begin{array}{r} 461640.340 \\ - 276.16 \\ \hline 4494.24 \end{array}$$

$$\begin{array}{r} 349159 \\ - 2983 \\ \hline 32076 \end{array}$$

Green

$$\begin{array}{r} 34123.498 \\ - 246.500 \\ \hline 176.998 \end{array}$$
$$\begin{array}{r} 213.990 \\ - 200.545 \\ \hline 013.445 \end{array}$$

Red

$$\begin{array}{r} 271.6 \\ \times 24 \\ \hline 1086.4 \end{array}$$

← Start here.

$$\begin{array}{r} 53 \\ \times 14 \\ \hline 212 \\ 530 \\ \hline 742 \end{array}$$

Always visit (multiply) the ones first.

← Write in the place holder.

Multiplication

$271.6 \times 4 =$

$53 \times 14 =$

$164.5 \times 7 =$

$245 \times 26 =$

$5523.2 \times 3 =$

$2,916 \times 35 =$

Amber

$$\begin{array}{r} 164.5 \\ \times 4337 \\ \hline 1151.5 \end{array}$$

Green

$$\begin{array}{r} 5523.2 \\ \times 3 \\ \hline 16569.6 \end{array}$$

Amber

$$\begin{array}{r} 245 \\ \times 26 \\ \hline 1470 \\ 4900 \\ \hline 6370 \end{array}$$

Green

$$\begin{array}{r} 2916 \\ \times 35 \\ \hline 14580 \\ 87480 \\ \hline 102060 \end{array}$$

Division

$$21.6 \div 3 =$$

$$461 \div 22 =$$

$$138.6 \div 6 =$$

$$344 \div 25 =$$

$$5447.5 \div 5 =$$

$$6724 \div 26 =$$

Magic Box Support

$$\begin{array}{r} \times 200 \\ \times 100 \\ \times 50 \\ \times 20 \\ \times 10 \\ \times 5 \\ \times 4 \\ \times 2 \end{array} \begin{array}{l} \uparrow \times 2 \\ \downarrow \div 2 \\ \uparrow \times 2 \\ \downarrow \div 2 \\ \uparrow \times 2 \\ \downarrow \div 2 \\ \uparrow \times 2 \\ \downarrow \div 2 \end{array}$$

You may also know $\times 3$.

If not, do $(\times 2)$ and then $(\times 1)$.

Red

$$\begin{array}{r} 07.2 \\ 3 \overline{) 21.6} \end{array}$$

$$\begin{array}{l} 2 \div 3 = 0 \text{ r} 2 \\ 21 \div 3 = 7 \\ 6 \div 3 = 2 \end{array}$$

Magic Box \rightarrow

$$\begin{array}{r} 20 \text{ r} 21 \\ 22 \overline{) 461} \\ - 220 \text{ (}\times 10\text{)} \\ \hline 241 \\ - 220 \text{ (}\times 10\text{)} \\ \hline 021 \end{array}$$

$\times 10 = 220$
 \uparrow (lots of 22)

or

$$\begin{array}{r} 20 \text{ r} 21 \\ 22 \overline{) 461} \\ - 440 \text{ (}\times 20\text{)} \\ \hline 021 \end{array}$$

$\times 10 = 220$
 $\times 20 = 440$

Amber

$$\begin{array}{r} 023.1 \\ 6 \overline{) 138.6} \end{array}$$

$$\begin{array}{l} 1 \div 6 = 0 \text{ r } 1 \\ 13 \div 6 = 2 \text{ r } 1 \\ 18 \div 6 = 3 \\ 6 \div 6 = 1 \end{array}$$

$$\begin{array}{r} 13 \text{ r } 19 \\ 25 \overline{) 2544} \\ - 250 \quad (\times 10) \\ \hline 094 \\ - 50 \quad (\times 2) \\ \hline 344 \\ - 25 \quad (\times 1) \\ \hline 19 \end{array}$$

Magic Box
↓

$$\begin{array}{l} \times 10 = 250 \\ \times 5 = 125 \\ \times 2 = 50 \end{array}$$

You might have $-75 (\times 3)$

Green

$$\begin{array}{r} 1089.5 \\ 5 \overline{) 5447.5} \end{array}$$

$$\begin{array}{r} 258 \text{ r } 16 \\ 26 \overline{) 6724} \\ - 5200 \quad (\times 200) \\ \hline 1524 \\ - 1300 \quad (\times 50) \\ \hline 0224 \\ - 130 \quad (\times 5) \\ \hline 094 \\ - 52 \quad (\times 2) \\ \hline 342 \\ - 26 \quad (\times 1) \\ \hline 16 \end{array}$$

$$\begin{array}{l} \times 10 = 260 \\ \times 100 = 2600 \\ \times 200 = 5200 \\ \times 50 = 1300 \\ \times 5 = 130 \\ \times 2 = 52 \end{array}$$