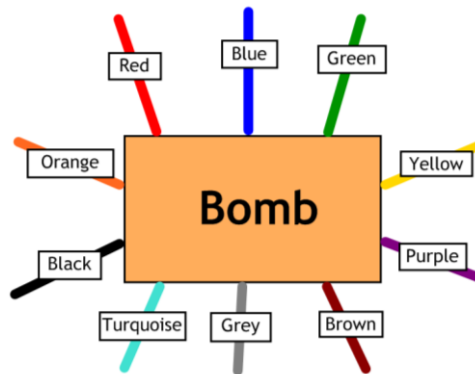


Defuse the Bomb - Adding and Subtracting Fractions - Answers

The Mathematician has planted a bomb. You must defuse that bomb using the mathematical clues he's left.



Answer the questions, then cut the coloured wires in the order that the answers appear, using the table below:

Red	Blue	Green	Yellow	Purple	Brown	Grey	Turquoise	Black	Orange
$1\frac{8}{63}$	$\frac{3}{20}$	$\frac{7}{8}$	$\frac{19}{40}$	$\frac{11}{12}$	$\frac{11}{15}$	$1\frac{5}{63}$	$\frac{3}{5}$	$1\frac{1}{12}$	$\frac{3}{10}$

Here are the clues that show which order to cut the wires - you may have to simplify your answers, so look carefully:

1	Calculate $\frac{3}{4} + \frac{1}{8}$ Answer: $\frac{7}{8}$ - Green
2	Calculate $\frac{7}{10} - \frac{2}{5}$ Answer: $\frac{3}{10}$ - Orange
3	Calculate $\frac{1}{3} + \frac{7}{12}$ Answer: $\frac{11}{12}$ - Purple
4	Calculate $\frac{9}{10} - \frac{3}{4}$ Answer: $\frac{3}{20}$ - Blue
5	Calculate $\frac{3}{4} + \frac{1}{3}$ Answer: $1\frac{1}{12}$ - Black
6	Calculate $\frac{5}{6} - \frac{1}{10}$ Answer: $\frac{11}{15}$ - Brown
7	Calculate $\frac{5}{9} + \frac{4}{7}$ Answer: $1\frac{8}{63}$ - Red
8	Calculate $\frac{17}{20} - \frac{3}{8}$ Answer: $\frac{19}{40}$ - Yellow