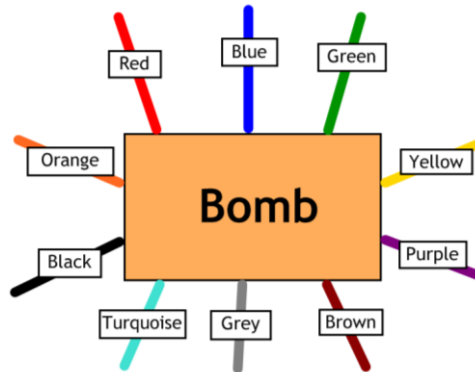# Defuse the Bomb – Adding and Subtracting Fractions 2 - Answers

The Mathematician, a notorious terrorist 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
$1\frac{21}{30}$	$1\frac{19}{30}$	$2\frac{11}{12}$	$5\frac{1}{6}$	$2\frac{7}{15}$	$2\frac{1}{15}$	$2\frac{5}{12}$	$4\frac{7}{8}$	$5\frac{1}{3}$	$4\frac{3}{8}$

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

1	Calculate $3\frac{1}{4} + 1\frac{5}{8}$ Answer: $4\frac{7}{8}$ - Turquoise
2	Calculate $2\frac{7}{15} - \frac{2}{5}$ Answer: $2\frac{1}{15}$ - Brown
3	Calculate $3\frac{1}{4} + 1\frac{11}{12}$ Answer: $5\frac{1}{6}$ - Yellow
4	Calculate $3\frac{3}{10} - 1\frac{2}{3}$ Answer: $1\frac{19}{30}$ - Blue
5	Calculate $1\frac{3}{4} + \frac{2}{3}$ Answer: $2\frac{5}{12}$ - Grey
6	Calculate $4\frac{1}{6} - 1\frac{7}{10}$ Answer: $2\frac{7}{15}$ - Purple