**Defuse the Bomb – Fractions, Decimals, Percentages 1 - 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 |
| $$\frac{4}{10}$$ | 50 | $$\frac{2}{5}$$ | 70 | 43 | 34 | 25 | $$\frac{3}{4}$$ | 60 | $$\frac{3}{10}$$ |

Here are the clues that show which order to cut the wires:

|  |  |
| --- | --- |
| 1 | Write $\frac{1}{2}$ as a percentage. 50% - Blue |
| 2 | What is 0.34 as a percentage? 34% - Brown |
| 3 | Write 30% as a fraction in its lowest terms. $\frac{3}{10}$ - Orange |
| 4 | Write $\frac{1}{4}$ as a percentage. 25% - Grey |
| 5 | Write 40% as a fraction in its lowest terms. $\frac{2}{5}$ - Green |
| 6 | Write $\frac{7}{10}$ as a percentage. 70% - Yellow |
| 7 | Write 75% as a fraction in its lowest terms. $\frac{3}{4}$ - Turquoise |
| 8 | Write $\frac{3}{5}$ as a percentage. 60% - Black |