**Defuse the Bomb – Fractions, Decimals, Percentages 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 |
| 22.5 | $$\frac{13}{20}$$ | 0.83 | 18 | $$\frac{8}{25}$$ | 40 | 75 | $$\frac{17}{50}$$ | 28 | 44 |

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

|  |  |
| --- | --- |
| 1 | What is $\frac{3}{4}$ as a percentage? 75% - Grey |
| 2 | What is 83% as a decimal? 0.83 - Green |
| 3 | Write 32% as a fraction in its lowest terms. $\frac{8}{25}$ - Purple |
| 4 | What is $\frac{11}{25}$ as a percentage? 44% - Orange |
| 5 | Which is the smallest: 0.2, $\frac{9}{50}$, 26%, $\frac{1}{4}$, 0.32, $\frac{2}{5}$?Give your answer as a percentage. 18% $\left(\frac{9}{50}\right)$ - Yellow |
| 6 | Write 65% as a fraction in its lowest terms. $\frac{13}{20}$ - Blue |
| 7 | What is $\frac{9}{40}$ as a percentage? 22.5% - Red |
| 8 | Which is the largest: 0.23, $\frac{1}{5}$, 26%, $\frac{1}{4}$, 0.19 or $\frac{7}{25}$?Give your answer as a percentage. 28% $\left(\frac{7}{25}\right)$ - Black |