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| **Decode the Joke** | **Multiplying Fractions** |

Calculate a value for each of the letters of the alphabet. Simplify your answers where possible.

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| **A** | $$\frac{1}{4}×40$$ |  |  | **H** | $$\frac{1}{5}×\frac{2}{3}$$ |  |  | **O** | $$\frac{2}{5}×\frac{1}{6}$$ |  |  | **V** | $$\frac{1}{4}×\frac{2}{7}×\frac{3}{5}$$ |  |
| **B** | $$9×\frac{1}{3}$$ |  |  | **I** | $$\frac{2}{7}×\frac{3}{5}$$ |  |  | **P** | $$\frac{4}{7}×\frac{3}{8}$$ |  |  | **W** | $$\frac{2}{5}×\frac{1}{12}×3$$ |  |
| **C** | $$\frac{2}{5}×30$$ |  |  | **J** | $$\frac{2}{3}×\frac{1}{9}$$ |  |  | **Q** | $$\frac{1}{2}×\frac{6}{11}$$ |  |  | **X** | $$\frac{7}{9}×2×\frac{3}{10}$$ |  |
| **D** | $$20×\frac{3}{10}$$ |  |  | **K** | $$\frac{4}{5}×\frac{1}{3}$$ |  |  | **R** | $$\frac{5}{8}×\frac{2}{3}$$ |  |  | **Y** | $$6×\frac{3}{8}×\frac{2}{11}$$ |  |
| **E** | $$\frac{5}{11}×2$$ |  |  | **L** | $$\frac{7}{8}×\frac{3}{5}$$ |  |  | **S** | $$\frac{3}{4}×\frac{1}{12}$$ |  |  | **Z** | $$\frac{7}{12}×\frac{2}{3}×\frac{9}{14}$$ |  |
| **F** | $$\frac{1}{7}×3$$ |  |  | **M** | $$\frac{5}{12}×\frac{1}{3}$$ |  |  | **T** | $$\frac{5}{6}×\frac{7}{10}$$ |  |  |  |  |  |
| **G** | $$\frac{3}{14}×4$$ |  |  | **N** | $$\frac{7}{10}×\frac{3}{5}$$ |  |  | **U** | $$\frac{7}{9}×\frac{11}{14}$$ |  |  |  |  |  |

Now decode the joke….

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| $$\frac{1}{10}$$ | $$\frac{2}{15}$$ | $$\frac{6}{35}$$ | $$12$$ | $$\frac{2}{15}$$ |  | $$\frac{4}{15}$$ | $$\frac{6}{35}$$ | $$\frac{21}{50}$$ | $$\frac{6}{7}$$ |  | $$\frac{21}{40}$$ | $$\frac{1}{15}$$ | $$\frac{3}{70}$$ | $$\frac{10}{11}$$ | $$6$$ |  | $$\frac{3}{7}$$ | $$\frac{5}{12}$$ | $$10$$ | $$12$$ | $$\frac{7}{12}$$ | $$\frac{6}{35}$$ |
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| $$\frac{1}{15}$$ | $$\frac{21}{50}$$ | $$\frac{1}{16}$$ | ? |  | $$\frac{2}{15}$$ | $$\frac{10}{11}$$ | $$\frac{21}{50}$$ | $$\frac{5}{12}$$ | $$\frac{9}{22}$$ |  | $$\frac{7}{12}$$ | $$\frac{2}{15}$$ | $$\frac{10}{11}$$ |  | $$\frac{10}{11}$$ | $$\frac{6}{35}$$ | $$\frac{6}{7}$$ | $$\frac{2}{15}$$ | $$\frac{7}{12}$$ | $$\frac{2}{15}$$ | ! |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |