**Estimating GREEN**

Leave the final column blank to begin with.

|  |  |  |  |
| --- | --- | --- | --- |
| **Question** | **Working out** | **Estimate** | **Answer** |
| $$6.05×14.82$$ |  |  |  |
| $$\frac{2.9}{2.2×2.6}$$ |  |  |  |
| $$\frac{480×1.94}{4.7×3.8}$$ |  |  |  |
| $$\frac{12.3×45}{18.8}$$ |  |  |  |
| $$\frac{164.7×4.2}{8.24×2.09}$$ |  |  |  |
| $$\frac{3280}{1.89×2.49}$$ |  |  |  |
| $$\frac{186.3×88.6}{27.2×22.8}$$ |  |  |  |
| $$\frac{8.41×7.82×414}{40.6×80.22}$$ |  |  |  |
| $$\frac{408×4.48}{8.41×10.8×4.3}$$ |  |  |  |
| $$\frac{4965×3.62×8.871}{32.7×31.2×1.9}$$ |  |  |  |
| $$\frac{637}{3.2×9.8}$$ |  |  |  |
| $$\frac{5.79×312}{0.523}$$ |  |  |  |
| $$\frac{412×5.904}{0.195}$$ |  |  |  |
| $$\frac{813×19.8}{97.6}$$ |  |  |  |
| $$\frac{29.8×4.1}{0.21}$$ |  |  |  |

**Estimating AMBER**

Match the questions with their estimates.

|  |  |  |  |
| --- | --- | --- | --- |
| **Question** | **Estimate** | **Question** | **Estimate** |
| $$6.05×14.82$$ | **50** | $$\frac{408×4.48}{8.41×10.8×4.3}$$ | **750** |
| $$\frac{2.9}{2.2×2.6}$$ | **12000** | $$\frac{4965×3.62×8.871}{32.7×31.2×1.9}$$ | **50** |
| $$\frac{480×1.94}{4.7×3.8}$$ | **8** | $$\frac{637}{3.2×9.8}$$ | **20** |
| $$\frac{12.3×45}{18.8}$$ | **60** | $$\frac{5.79×312}{0.523}$$ | **½**  |
| $$\frac{164.7×4.2}{8.24×2.09}$$ | **3600** | $$\frac{412×5.904}{0.195}$$ | **5** |
| $$\frac{3280}{1.89×2.49}$$ | **600** | $$\frac{813×19.8}{97.6}$$ | **160** |
| $$\frac{186.3×88.6}{27.2×22.8}$$ | **25** | $$\frac{29.8×4.1}{0.21}$$ | **100** |
| $$\frac{8.41×7.82×414}{40.6×80.22}$$ | **30** |  |  |

**Estimating RED**

Leave the final column blank to begin with.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Question** | **One s.f.** | **(Working out)** | **Estimate** | **Answer** |
| $$6.05×14.82$$ | $$6×10$$ | / | 60 |  |
| $$\frac{2.9}{2.2×2.6}$$ | $$\frac{3}{2×3}$$ | $$\frac{3}{6}$$ |  |  |
| $$\frac{480×1.94}{4.7×3.8}$$ | $$\frac{500×2}{5×4}$$ |  |  |  |
| $$\frac{12.3×45}{18.8}$$ | $$\frac{10×50}{20}$$ |  |  |  |
| $$\frac{164.7×4.2}{8.24×2.09}$$ |  |  |  |  |
| $$\frac{3280}{1.89×2.49}$$ |  |  |  |  |
| $$\frac{186.3×88.6}{27.2×22.8}$$ |  |  |  |  |
| $$\frac{8.41×7.82×414}{40.6×80.22}$$ |  |  |  |  |
| $$\frac{408×4.48}{8.41×10.8×4.3}$$ |  |  |  |  |
| $$\frac{4965×3.62×8.871}{32.7×31.2×1.9}$$ |  |  |  |  |
| $$\frac{637}{3.2×9.8}$$ |  |  |  |  |
| $$\frac{5.79×312}{0.523}$$ |  |  |  |  |
| $$\frac{412×5.904}{0.195}$$ |  |  |  |  |
| $$\frac{813×19.8}{97.6}$$ |  |  |  |  |
| $$\frac{29.8×4.1}{0.21}$$ |  |  |  |  |