Indices GREEN

|  |  |  |
| --- | --- | --- |
| Question | Working | Answer |
| $$25^{^{1}/\_{2}}$$ |  |  |
| $$36^{^{1}/\_{2}}$$ |  |  |
| $$27^{^{1}/\_{3}}$$ |  |  |
| $$4^{^{3}/\_{2}}$$ |  |  |
| $$27^{^{2}/\_{3}}$$ |  |  |
| $$8^{^{4}/\_{3}}$$ |  |  |
| $$\left(\frac{25}{36}\right)^{^{1}/\_{2}}$$ |  |  |
| $$\left(\frac{27}{125}\right)^{^{2}/\_{3}}$$ |  |  |
| $$25^{-^{1}/\_{2}}$$ |  |  |
| $$\left(\frac{8}{27}\right)^{-^{2}/\_{3}}$$ |  |  |

Indices AMBER

|  |  |
| --- | --- |
| Questions | Answers |
| $$25^{^{1}/\_{2}}$$ | 8 |
| $$36^{^{1}/\_{2}}$$ | $$^{9}/\_{25}$$ |
| $$27^{^{1}/\_{3}}$$ | 9 |
| $$4^{^{3}/\_{2}}$$ | 5 |
| $$27^{^{2}/\_{3}}$$ | $$^{5}/\_{6}$$ |
| $$8^{^{4}/\_{3}}$$ | 3 |
| $$\left(\frac{25}{36}\right)^{^{1}/\_{2}}$$ | 6 |
| $$\left(\frac{27}{125}\right)^{^{2}/\_{3}}$$ | $$^{9}/\_{4}$$ |
| $$25^{-^{1}/\_{2}}$$ | $$^{1}/\_{5}$$ |
| $$\left(\frac{8}{27}\right)^{-^{2}/\_{3}}$$ | 16 |

Indices AMBER

|  |  |
| --- | --- |
| Questions | Answers |
| $$25^{^{1}/\_{2}}$$ | 8 |
| $$36^{^{1}/\_{2}}$$ | $$^{9}/\_{25}$$ |
| $$27^{^{1}/\_{3}}$$ | 9 |
| $$4^{^{3}/\_{2}}$$ | 5 |
| $$27^{^{2}/\_{3}}$$ | $$^{5}/\_{6}$$ |
| $$8^{^{4}/\_{3}}$$ | 3 |
| $$\left(\frac{25}{36}\right)^{^{1}/\_{2}}$$ | 6 |
| $$\left(\frac{27}{125}\right)^{^{2}/\_{3}}$$ | $$^{9}/\_{4}$$ |
| $$25^{-^{1}/\_{2}}$$ | $$^{1}/\_{5}$$ |
| $$\left(\frac{8}{27}\right)^{-^{2}/\_{3}}$$ | 16 |

Indices RED

|  |  |  |
| --- | --- | --- |
| Question | Working | Answer |
| $$25^{^{1}/\_{2}}$$ |  $\sqrt{25}$ = |  |
| $$36^{^{1}/\_{2}}$$ |  |  |
| $$27^{^{1}/\_{3}}$$ |  $\sqrt[3]{27}$ = |  |
| $$4^{^{3}/\_{2}}$$ |  $\sqrt{4}^{3}$ = $2^{3}$ = |  |
| $$27^{^{2}/\_{3}}$$ |  $\sqrt[3]{27}^{2}$ = |  |
| $$8^{^{4}/\_{3}}$$ |  |  |
| $$\left(\frac{25}{36}\right)^{^{1}/\_{2}}$$ |  $\frac{\sqrt{25}}{\sqrt{36}}$ = |  |
| $$\left(\frac{27}{125}\right)^{^{2}/\_{3}}$$ |  $\frac{\sqrt[3]{27}^{2}}{\sqrt[3]{125}^{2}}$ = $\frac{3^{2}}{5^{2}}$ = |  |
| $$25^{-^{1}/\_{2}}$$ |  $\frac{1}{25}^{^{1}/\_{2}}$ = $\frac{\sqrt{1}}{\sqrt{25}}$ = |  |
| $$\left(\frac{8}{27}\right)^{-^{2}/\_{3}}$$ |  $\left(\frac{27}{8}\right)^{^{2}/\_{3}}$ = |  |