**Multiplying, Dividing and Simplifying Surds**

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| --- | --- | --- | --- | --- |
| **(a)** | **(b)** | **(c)** | **(d)** | **(e)** |
| Simplify $\sqrt{5}×\sqrt{7}$ | Simplify $\sqrt{3}×\sqrt{27}$ | Simplify $\sqrt{10}÷\sqrt{2}$ | Simplify $\frac{\sqrt{27}}{\sqrt{3}}$ | Simplify $\sqrt{2}×\sqrt{10}×\sqrt{5}$ |
| **(f)** | **(g)** | **(h)** | **(i)** | **(j)** |
| Simplify $2\sqrt{3}×4\sqrt{7}$ | Simplify $\sqrt{5}×8\sqrt{2}$ | Simplify $3\sqrt{5}×4\sqrt{5}$ | Simplify $\frac{9\sqrt{6}}{3\sqrt{2}}$ | Simplify $\frac{\sqrt{48}}{\sqrt{3}}$ |
| **(k)** | **(l)** | **(m)** | **(n)** | **(o)** |
| Simplify $\frac{10\sqrt{24}}{5\sqrt{6}}$ | Simplify $\sqrt{12}$ | Simplify $\sqrt{28}$ | Simplify $\sqrt{35}$ | Simplify $\sqrt{108}$ |
| **(p)** | **(q)** | **(r)** | **(s)** | **(t)** |
| Express $\sqrt{90}$ in the form $a\sqrt{10}$ where a is an integer | Express $\sqrt{75}$ in the form $a\sqrt{3}$ where a is an integer | Express $\sqrt{125}$ in the form $a\sqrt{5}$ where a is an integer | Simplify $\frac{\sqrt{200}}{5}$ | Simplify $\frac{\sqrt{112}}{2}$ |