



Fill In The Blanks...



Simplifying Surds

| Square Numbers | 1 | 4 | 9 | 16 | 25 | 36 | 49 | 64 | 81 | 100 |
|----------------|---|---|---|----|----|----|----|----|----|-----|
|----------------|---|---|---|----|----|----|----|----|----|-----|

| Question | Largest Square Number Factor | Split into Two Surds | Rationalise the Square Number | Answer |
|--------------|------------------------------|----------------------------|-------------------------------|-------------|
| $\sqrt{27}$ | 9 | $\sqrt{9} \times \sqrt{3}$ | $3 \times \sqrt{3}$ | $3\sqrt{3}$ |
| $\sqrt{24}$ | 4 | $\sqrt{4} \times \sqrt{6}$ | | |
| $\sqrt{50}$ | 25 | | | |
| $\sqrt{28}$ | | | | |
| $\sqrt{32}$ | | | | |
| $\sqrt{45}$ | | | | |
| $\sqrt{72}$ | | | | |
| $\sqrt{90}$ | | | | |
| $\sqrt{75}$ | | | | |
| $\sqrt{200}$ | | | | |
| $\sqrt{98}$ | | | | |
| $\sqrt{80}$ | | | | |
| | | $\sqrt{9} \times \sqrt{7}$ | $3 \times \sqrt{7}$ | $3\sqrt{7}$ |
| | | | | $7\sqrt{3}$ |