

Simplifying Surds *fluency*

 Simplify

1 $\sqrt{8}$

2 $\sqrt{20}$

3 $\sqrt{27}$

4 $\sqrt{28}$

5 $\sqrt{44}$

6 $\sqrt{63}$

 Simplify

7 $\sqrt{32}$

8 $\sqrt{75}$

9 $\sqrt{98}$

10 $\sqrt{80}$

11 $\sqrt{108}$

12 $\sqrt{300}$

 Simplify

13 $2\sqrt{12}$

14 $3\sqrt{20}$

15 $5\sqrt{8}$

16 $4\sqrt{45}$

17 $6\sqrt{50}$

18 $2\sqrt{72}$

 Simplify

19 $\sqrt{8} + \sqrt{2}$

20 $\sqrt{27} - \sqrt{3}$

21 $\sqrt{12} + \sqrt{75}$

22 $\sqrt{80} - \sqrt{20}$

23 $3\sqrt{2} + \sqrt{32}$

24 $\sqrt{98} - \sqrt{50} + \sqrt{8}$

 Simplify

25 $\sqrt{6} \times \sqrt{10}$

26 $\sqrt{15} \times \sqrt{20}$

27 $3\sqrt{2} \times 4\sqrt{6}$

28 $\frac{\sqrt{60}}{\sqrt{5}}$

29 $(2\sqrt{5})^2$

30 $\sqrt{2} \times \sqrt{3} \times \sqrt{6}$