

## Adding Surds

1.  $2\sqrt{3} + 5\sqrt{3}$

2.  $2\sqrt{3} + 5\sqrt{6}$

3.  $2\sqrt{3} + 5\sqrt{12}$

4.  $2\sqrt{3} + 5\sqrt{27}$

5.  $2\sqrt{3} + 6\sqrt{27}$

6.  $2\sqrt{30} + 6\sqrt{27}$

7.  $2\sqrt{30} + 6\sqrt{120}$

8.  $6\sqrt{30} + 2\sqrt{120}$

9.  $6\sqrt{60} + 2\sqrt{240}$

10.  $6\sqrt{6} + 2\sqrt{24}$

11.  $6\sqrt{6} + 2\sqrt{24} + 5\sqrt{36}$

12.  $6\sqrt{16} + 2\sqrt{24} + 5\sqrt{36}$

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10.  $6\sqrt{6} + 2\sqrt{24}$

11.  $6\sqrt{6} + 2\sqrt{24} + 5\sqrt{36}$

12.  $6\sqrt{16} + 2\sqrt{24} + 5\sqrt{36}$

## Adding Surds: ANSWERS

1.  $7\sqrt{3}$

2.  $2\sqrt{3} + 5\sqrt{6}$

3.  $12\sqrt{3}$

4.  $17\sqrt{3}$

5.  $20\sqrt{3}$

6.  $2\sqrt{30} + 18\sqrt{3}$

7.  $14\sqrt{30}$

8.  $10\sqrt{30}$

9.  $20\sqrt{15}$

10.  $10\sqrt{6}$

11.  $30 + 10\sqrt{6}$

12.  $54 + 4\sqrt{6}$

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