

## ADDING AND SUBTRACTING SURDS

Simplify the expressions in this exercise.

1  $\sqrt{3} + 2\sqrt{3} + 4\sqrt{3}$

2  $5\sqrt{7} - 2\sqrt{7} + 4\sqrt{7}$

3  $3\sqrt{5} + 5\sqrt{5} - 2\sqrt{5}$

8  $\sqrt{20} + \sqrt{5}$

9  $\sqrt{18} + \sqrt{32} - \sqrt{2}$

10  $\sqrt{27} + 2\sqrt{48} - 4\sqrt{3}$

11  $\sqrt{12} + \sqrt{3} + \sqrt{48}$

12  $2\sqrt{50} - 3\sqrt{18}$

13  $\sqrt{7} + \sqrt{28} - \sqrt{63}$

## ADDING AND SUBTRACTING SURDS

**24**  $5\sqrt{7} + 3\sqrt{5} - 2\sqrt{28}$

**25**  $5\sqrt{45} - 2\sqrt{32}$

**26**  $\sqrt{98} - 2\sqrt{20} - \sqrt{12}$

**27**  $\sqrt{125} - 5\sqrt{2} + \sqrt{50}$

**28**  $7\sqrt{3} - 2\sqrt{2} + \sqrt{12} + \sqrt{8}$

**29**  $\sqrt{150} - \sqrt{96} - \sqrt{24}$