

Simplifying Surds

Question 8: Simplify the following

(a) $\sqrt{8}$ (b) $\sqrt{75}$ (c) $\sqrt{20}$ (d) $\sqrt{32}$ (e) $\sqrt{48}$ (f) $\sqrt{200}$

(g) $\sqrt{300}$ (h) $\sqrt{80}$ (i) $\sqrt{50}$ (j) $\sqrt{98}$ (k) $\sqrt{63}$ (l) $\sqrt{800}$

(m) $\sqrt{180}$ (n) $\sqrt{220}$ (o) $\sqrt{96}$ (p) $\sqrt{175}$ (q) $\sqrt{1000}$ (r) $\sqrt{60}$

Question 9: Simplify the following

(a) $5\sqrt{8}$ (b) $2\sqrt{20}$ (c) $4\sqrt{50}$ (d) $3\sqrt{98}$ (e) $15\sqrt{32}$ (f) $10\sqrt{75}$

Question 10: Work out each of the following. Simplify each answer.

(a) $\sqrt{6} \times \sqrt{10}$ (b) $\sqrt{15} \times \sqrt{10}$ (c) $\sqrt{30} \times \sqrt{6}$

(d) $\sqrt{22} \times \sqrt{10}$ (e) $3\sqrt{2} \times \sqrt{6}$ (f) $\sqrt{14} \times 4\sqrt{2}$

(g) $4\sqrt{6} \times 3\sqrt{15}$ (h) $2\sqrt{70} \times 3\sqrt{10}$ (i) $5\sqrt{10} \times 2\sqrt{30}$
