

**NO97 Extractions**

a)  $\sqrt{25} \cdot \sqrt{7} = 5\sqrt{7}$

b)  $\sqrt{36} \cdot \sqrt{2} = 6\sqrt{2}$

c)  $\sqrt{100} \cdot \sqrt{3} = 10\sqrt{3}$

d)  $\sqrt[3]{216} \cdot \sqrt[3]{5} = 6\sqrt[3]{5}$

e)  $\sqrt{40000} \cdot \sqrt{10} = 200\sqrt{10}$

f)  $5 \cdot \sqrt{36} \cdot \sqrt{7} = 5 \cdot 6 \cdot \sqrt{7} = 30\sqrt{7}$

g)  $\sqrt{4} \cdot \sqrt{2} \cdot \sqrt{2} \cdot \sqrt{3} = 2 \cdot 2 \cdot \sqrt{3} = 4\sqrt{3}$

h)  $\sqrt{9} \cdot \sqrt{2} + \sqrt{16} \cdot \sqrt{2} = 3\sqrt{2} + 4\sqrt{2} = 7\sqrt{2}$

i)  $\sqrt{4} \cdot \sqrt{3} \cdot \sqrt{2} \cdot \sqrt{36} = 2 \cdot \sqrt{3} \cdot \sqrt{2} \cdot 6 = 12\sqrt{6}$

j)  $\sqrt{25} \cdot \sqrt{2} \cdot \sqrt{2} \cdot \sqrt{4} \cdot \sqrt{2} = 5 \cdot 2 \cdot 2 \cdot \sqrt{2} = 20\sqrt{2}$

k)  $-5$

l)  $\sqrt[3]{8} \cdot \sqrt[3]{6} = 2\sqrt[3]{6}$