$Simplify : \sqrt{200} + \sqrt{128} + \sqrt{98}$
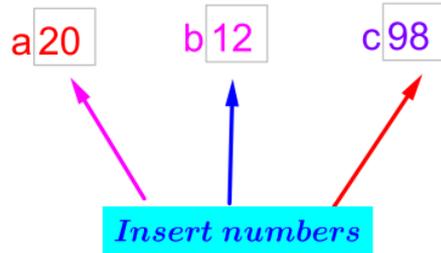
$= \sqrt{100 \times 2} + \sqrt{64 \times 2} + \sqrt{49 \times 2}$

$= 10\sqrt{2} + 8\sqrt{2} + 7\sqrt{2}$

$= (10 + 8 + 7)\sqrt{2}$

$= 25\sqrt{2}$

a 20 b 12 c 98

Insert numbers

WORK SHEETS

Home work

$[1] \sqrt{128} + \sqrt{72} + \sqrt{288}$

$[2] \sqrt{8} + \sqrt{18} + \sqrt{32}$

$[3] \sqrt{98} + \sqrt{162} + \sqrt{50}$

$[4] \sqrt{128} + \sqrt{72} + \sqrt{288}$

$[5] \sqrt{288} + \sqrt{242} + \sqrt{338}$

$[6] \sqrt{32} + \sqrt{98} + \sqrt{50}$

$[7] \sqrt{200} + \sqrt{72} + \sqrt{162}$

$[8] \sqrt{200} + \sqrt{50} + \sqrt{800}$

Subject Mathematics
Topic : −Surds