

July 28<sup>th</sup>

**Share 780 in the ratio  $\sqrt{20} : \sqrt{45} : \sqrt{320}$**

$$\sqrt{20} = 2\sqrt{5}$$

$$\sqrt{45} = 3\sqrt{5}$$

$$\sqrt{320} = 8\sqrt{5}$$

Hence the ratio can be simplified to

2:3:8

$$780 \div (2+3+8) = 60$$

So the required solution is:

**120:180:480**