

Answer on Question #52585 – Math – Algebra

A basin that measures 20ft wide 40 feet long by 10ft deep = how many gallons?

Solution

$$a = 20 \text{ ft}$$

$$b = 40 \text{ ft}$$

$$h = 10 \text{ ft}$$

$$V = a \cdot b \cdot h = 20 \cdot 40 \cdot 10 = 8000 \text{ ft}^3$$

$$1 \text{ ft}^3 = 6.2288354590428 \text{ gallons, so } 8000 \text{ ft}^3 = 49830.683672343 \text{ gallons}$$

Answer: 49830.683672343 gallons