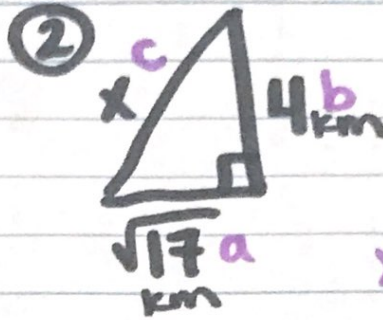


$$7^2 + 5^2 = x^2$$

$$49 + 25 = x^2$$

$$74 = x^2$$

$$x = \sqrt{74} \text{ mi}$$

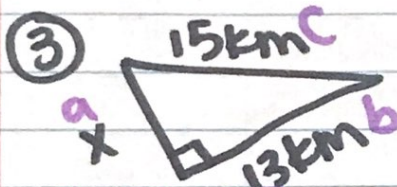


$$\sqrt{17^2 + 4^2} = x^2$$

$$17 + 16 = x^2$$

$$33 = x^2$$

$$x = \sqrt{33} \text{ km}$$

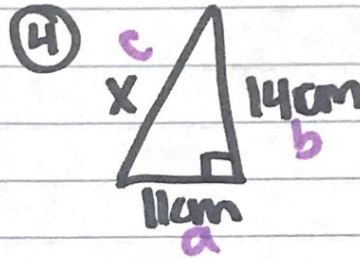


$$x^2 + 13^2 = 15^2$$

$$x^2 + 169 = 225$$

$$\sqrt{x^2 - 56} = \sqrt{56}$$

$$x = \sqrt{56} = 2\sqrt{14} \text{ km}$$

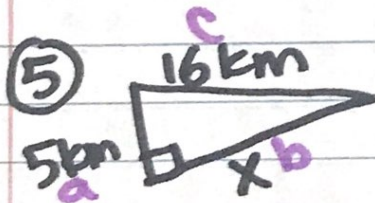


$$11^2 + 14^2 = x^2$$

$$121 + 196 = x^2$$

$$317 = x^2$$

$$x = \sqrt{317} \text{ cm}$$

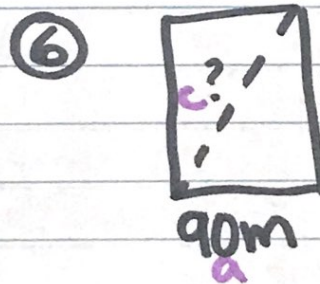


$$5^2 + x^2 = 16^2$$

$$25 + x^2 = 256$$

$$x^2 = 231$$

$$x = \sqrt{231} \text{ km}$$

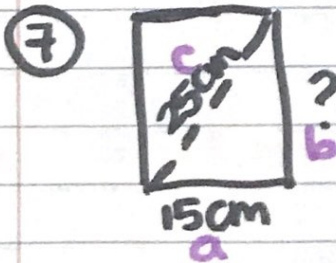


$$90^2 + 120^2 = c^2$$

$$8100 + 14400 = c^2$$

$$22500 = c^2$$

$$c = \sqrt{22500} = 150 \text{ m}$$

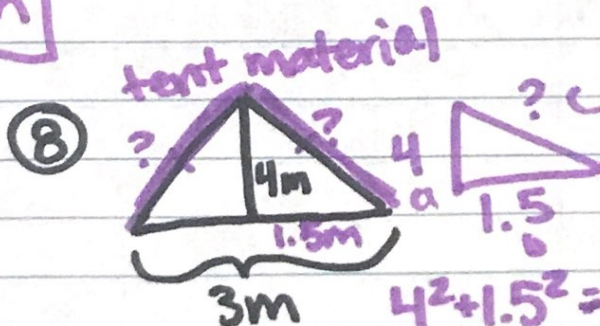


$$15^2 + x^2 = 25^2$$

$$225 + x^2 = 625$$

$$x^2 = 400$$

$$x = \sqrt{400} = 20 \text{ cm}$$



$$4^2 + 1.5^2 = c^2$$

$$16 + 2.25 = c^2$$

$$18.25 = c^2$$

$$c \approx 4.3 \text{ m} \times 2$$

$\approx 8.5 \text{ m}$
of tent material