

**List all the whole numbers between 74 and 122 that are perfect squares.**

$$9^2 = 81$$

$$10^2 = 100$$

$$11^2 = 121$$

**Determine the value of  $\sqrt{0.81}$**

$$\begin{array}{r} \sqrt{81} \\ \hline 100 \\ = 9 \\ \hline 10 \end{array}$$

**Calculate the number whose square root is 0.6?**

$$\sqrt{?} = 0.6$$
$$\sqrt{\frac{36}{100}} = \frac{6}{10}$$
$$\sqrt{0.36}$$

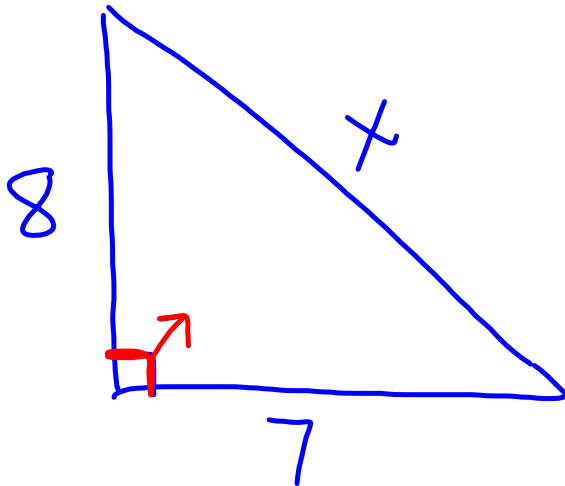
Which decimal has a square root between 13 and 14

- ~~a) 158.23~~
- ~~b) 13.5~~
- ✓ c) 190.2
- ~~d) 226.3~~

$$169 \longleftrightarrow 196$$

$$15 \quad 16$$
$$15.6^2 =$$

**A rectangle has an area of  $285 \text{ cm}^2$ . Determine the length of the rectangle if the width is 15 cm.**



$$a^2 + b^2 = c^2$$

$$a^2 = c^2 - b^2$$

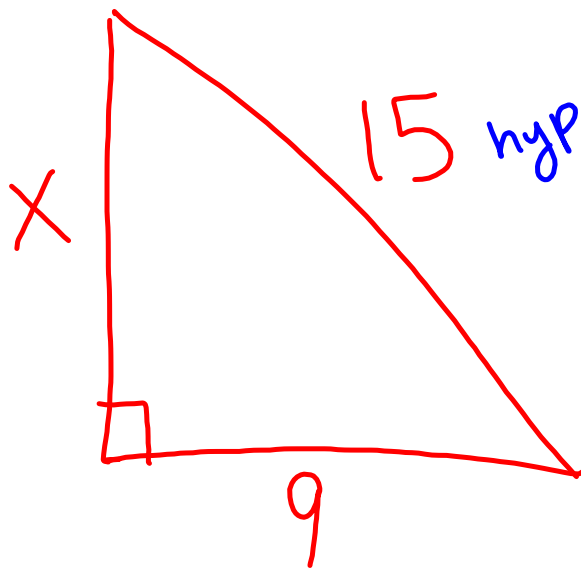
$$c^2 = a^2 + b^2$$

$$c^2 = 8^2 + 7^2$$

$$c^2 = 64 + 49$$

$$\sqrt{c^2} = \sqrt{113}$$

$$c = 10.6$$



$$a^2 + b^2 = c^2 - b^2$$
$$a^2 = c^2 - b^2$$
$$a^2 = 15^2 - 9^2$$
$$a^2 = 225 - 81$$
$$\sqrt{a^2} = \sqrt{144}$$
$$a = 12$$

Pg 45 : 46

Pg. 45 Omit # 8, 9, 10  
Pg. 46 Omit # 11, 14, 15