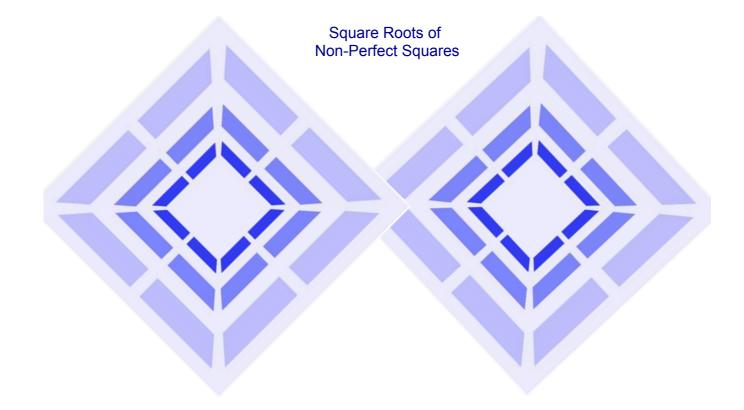
State whether or not the following are perfect

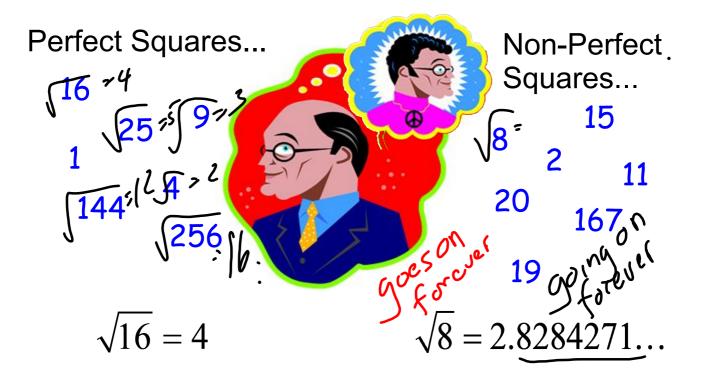
squares > W/O a decimal

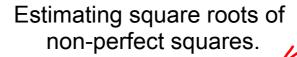
1) 25/4 | 25 = | 5 | 7 | 25 | 25 |

2) [2.8] | 67 | 33 | 2005 | 3... (With repeating) | 25 | 25 |

3) [0.404958678] = 0.63636301,63 - Perfecte square





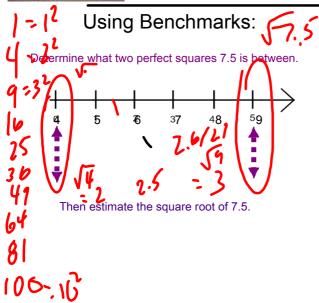




Estimate the square root of <u>7.5</u>.

Method #1

Method #2



Using a Calculator:

sing a Calculator:
$$\sqrt{7.5} = 2.73.8612788...$$

$$\sqrt{7.5} = 2 \cdot 1$$

If the answer does not appear to terminate (stop) or repeat, estimate the answer by rounding to the tenths place

Estimate the square root of $\underline{3}$

Method #1

1. Find the perfect squares closest to the numerator and denominator.

$$\sqrt{\frac{3}{7}} = \sqrt{\frac{1}{7}}$$

2. Take the square roots of the numbers you have chosen.

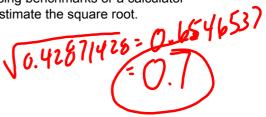
$$\sqrt{\frac{4}{9}} = \frac{2}{3} = 0.66$$
= 0.7

Method #2

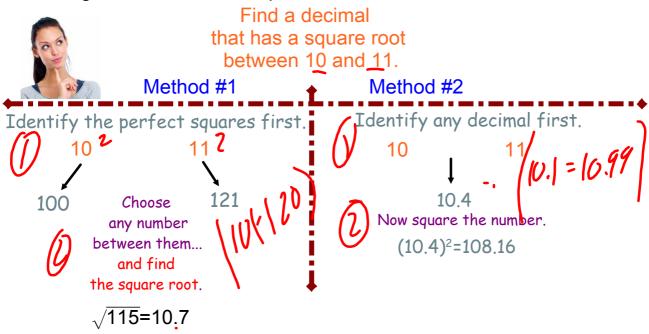
1. Change the fraction to a decimal, then using benchmarks or a calculator estimate the square root.

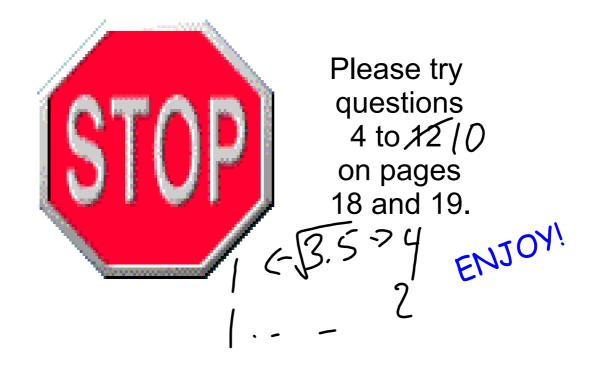
$$\sqrt{\frac{3}{7}} = \sqrt{0}.428571478$$

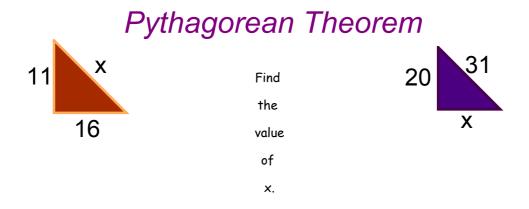
2. Using benchmarks or a calculator estimate the square root.



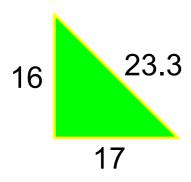
Finding a Number with a Square Root between Two Given Numbers.



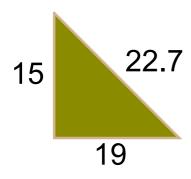


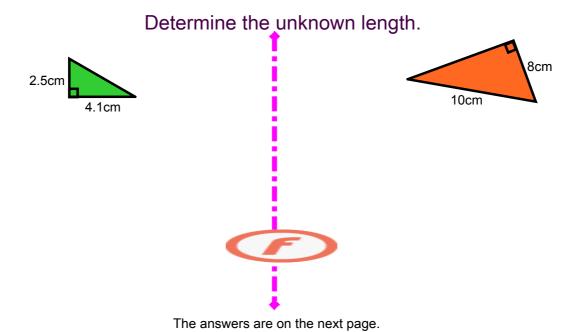


Is this a right angled triangle?



Is this a right angled triangle?





Determine the unknown lenght.

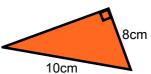


$$c^2=a^2+b^2$$

$$c^2 = 2.5^2 + 4.1^2$$

$$c^2 = 6.25 + 16.81$$

$$c^2 = 23.06$$



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

$$10^2 = a^2 + 8^2$$

$$100 = a^2 + 64$$

$$100 - 64 = a^2$$

$$36 = a^2$$

$$6cm = a$$

The numbers 6, 8 and 10 have a special name, do you know what it is?

Real Life Square Roots!!



A ladder is 6.1m long. The distance from the base of the ladder to the wall is 1.5m. Estimate how far up the wall the ladder will reach. This looks familiar

How much non-slip coating will this ramp need?



Do you have all the information needed to answer this question?