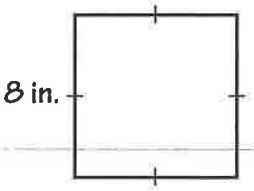
Why Did Orgo Check His Animal Cookies Before Eating Any?

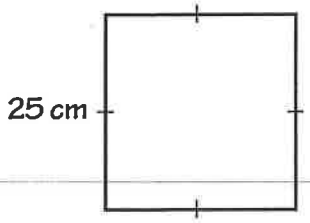
Write the letter of each exercise in the space containing the answer.

Find the length of a side (s) of each square.

T. $s =$ _____ m **E.** $s =$ _____ ft

Find the area (A) of each square.





E. $A =$ _____ in.^{2} **T.** $A =$ _____ cm^2

Find the square root.

O. $\sqrt{25}$ **W.** $3\sqrt{121}$

A. $\sqrt{900}$ **D.** $-\sqrt{1}$

E. $-\sqrt{25}$ **H.** $-\sqrt{8100}$

T. $-\sqrt{900}$ **N.** $\sqrt{10,000}$

Simplify.

H. $\sqrt{64}$ **R.** $\sqrt{625}$

E. $\sqrt{0.64}$ **E.** $-\sqrt{6.25}$

S. $\sqrt{16} + \sqrt{9}$ **H.** $\sqrt{100} - \sqrt{64}$

E. $\sqrt{16 + 9}$ **W.** $\sqrt{100 - 64}$

answers for left side

-90	-4	30	10	-1	-30
7	33	100	-5	35	5

answers for right side

7	64	6	5	2	25
-1.5	-2.5	3	8	625	0.8

Simplify.

A. $\sqrt{12^2 + 5^2}$ **E.** $\sqrt{2} \cdot \sqrt{2}$

T. $\sqrt{17^2 - 15^2}$ **A.** $\sqrt{38} \cdot \sqrt{38}$

H. $\sqrt{30^2 + 40^2}$ **S.** $\left(\sqrt{15}\right)^2$

E. $9\sqrt{4} + 4\sqrt{9}$ **H.** $\sqrt{90^2}$

D. $\sqrt{\frac{49}{81}}$ **L.** $-\sqrt{\frac{1}{100}}$

Estimate each square root without using a calculator. From the answers at the bottom of the page, choose the best estimate.

E. $\sqrt{10}$ **E.** $-\sqrt{30}$

N. $\sqrt{98}$ **N.** $-\sqrt{60}$

O. $\sqrt{40}$ **B.** $-\sqrt{5}$

E. $\sqrt{75}$ **K.** $\sqrt{200}$

B. $\sqrt{150}$ **R.** $\sqrt{392}$

answers for left side

8	2	15	13	76	38
90	$\frac{1}{50}$	30	$-\frac{1}{10}$	50	$\frac{7}{9}$

answers for right side

-2.2	3.2	16.5	19.8	14.1	9.9
-7.1	8.7	-7.7	12.2	6.3	-5.5

Why Did the Population Expert Feel Like He Was Going Crazy?

Determine whether or not the given numbers are possible measures for the sides of a right triangle. Circle the letters next to each correct answer. Find the lower case letter in a box at the bottom of the page and write the upper case letter below it.

$a = 6$ $b = 8$ $c = 10$ $a^2 =$___ $b^2 =$___ $c^2 =$___ 1 Right triangle? yes **i-O** no **f-K**	$a = 10$ $b = 12$ $c = 14$ $a^2 =$___ $b^2 =$___ $c^2 =$___ 2 Right triangle? yes **m-B** no **t-S**	$a = 5$ $b = 12$ $c = 13$ $a^2 =$___ $b^2 =$___ $c^2 =$___ 3 Right triangle? yes **e-A** no **q-R**
$a = 11$ $b = 11$ $c = 15$ $a^2 =$___ $b^2 =$___ $c^2 =$___ 4 Right triangle? yes **v-D** no **r-E**	$a = 7$ $b = 24$ $c = 25$ $a^2 =$___ $b^2 =$___ $c^2 =$___ 5 Right triangle? yes **k-T** no **h-P**	$a = 4$ $b = 9$ $c = \sqrt{97}$ $a^2 =$___ $b^2 =$___ $c^2 =$___ 6 Right triangle? yes **a-H** no **p-V**
$a = 14$ $b = \sqrt{204}$ $c = 20$ $a^2 =$___ $b^2 =$___ $c^2 =$___ 7 Right triangle? yes **o-S** no **b-U**	$a = \sqrt{160}$ $b = 13$ $c = 18$ $a^2 =$___ $b^2 =$___ $c^2 =$___ 8 Right triangle? yes **c-F** no **f-D**	$a = 2.7$ $b = 3.6$ $c = 4.5$ $a^2 =$___ $b^2 =$___ $c^2 =$___ 9 Right triangle? yes **v-S** no **n-G**
$a = 3.2$ $b = 5.8$ $c = 6.7$ $a^2 =$___ $b^2 =$___ $c^2 =$___ 10 Right triangle? yes **u-O** no m-H	$a = 16$ $b = \sqrt{300}$ $c = \sqrt{556}$ $a^2 =$___ $b^2 =$___ $c^2 =$___ 11 Right triangle? yes **b-E** no **d-M**	$a = 8$ $b = 15$ $c = 17$ $a^2 =$___ $b^2 =$___ $c^2 =$___ 12 Right triangle? yes **q-C** no **j-R**
$a = 30$ $b = 40$ $c = 50$ $a^2 =$___ $b^2 =$___ $c^2 =$___ 13 Right triangle? yes **h-L** no **s-A**	$a = 40$ $b = 50$ $c = 60$ $a^2 =$___ $b^2 =$___ $c^2 =$___ 14 Right triangle? yes **l-S** no **n-I**	$a = 10$ $b = 24$ $c = 26$ $a^2 =$___ $b^2 =$___ $c^2 =$___ 15 Right triangle? yes **u-U** no **g-E**
$a = 0.9$ $b = 4.0$ $c = 4.1$ $a^2 =$___ $b^2 =$___ $c^2 =$___ 16 Right triangle? yes **d-H** no **c-R**	$a = \sqrt{2}$ $b = \sqrt{2}$ $c = 2$ $a^2 =$___ $b^2 =$___ $c^2 =$___ 17 Right triangle? yes **j-S** no **p-O**	$a = 1$ $b = 1$ $c = \sqrt{2}$ $a^2 =$___ $b^2 =$___ $c^2 =$___ 18 Right triangle? yes **s-N** no **l-T**

a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u	v