



Puzzle Time

WORK MUST BE SHOWN
ON ALL QUESTIONS
FOR CREDIT.

What Comes After A Sea Horse?

Write the letter of each answer in the box containing the exercise number.

Tell whether a triangle with the given side lengths is a right triangle.

1. 8 in., 9 in., 12 in.

R. yes

S. no

2. 10 cm, 24 cm, 26 cm

A. yes

B. no

3. 9 mm, 16 mm, 18 mm

N. yes

O. no

4. $6, \sqrt{48}, 9$

C. yes

D. no

5. $\sqrt{221}, 10, 11$

R. yes

S. no

6. $\sqrt{57}, \sqrt{112}, 13$

E. yes

F. no

7. $7, 12, \sqrt{200}$

G. yes

H. no

2		4	-	7	3	5	1	6
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Example Questions:

Tell whether a triangle with the given side lengths is a right triangle.

1. 1.7 cm, 14.4 cm, 14.5 cm

Y. yes N. no

2. 5, $\sqrt{299}$, 18

A. yes O. no

3. 9 ft, 15 ft, 17 ft

T. yes Y. no

$$(1.7)^2 + (14.4)^2 \stackrel{?}{=} (14.5)^2$$
$$2.89 + 207.36 \stackrel{?}{=} 210.25$$

$$210.25 = 210.25 \text{ :)}$$

$$(5)^2 + (\sqrt{299})^2 \stackrel{?}{=} (18)^2$$

$$25 + 299 \stackrel{?}{=} 324$$

$$324 = 324 \text{ :)}$$

$$(9)^2 + (15)^2 \stackrel{?}{=} (17)^2$$

$$81 + 225 \stackrel{?}{=} 289$$

$$306 \neq 289 \text{ :(}$$

Y	A	Y
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3 2 1