

What Did One Elevator Say To The Other Elevator?

A	В	С	D	E	F
G	н	I			

Complete each exercise. Find the answer in the answer column. Write the word under the answer in the box containing the exercise letter.

	Complete the sentence.	
120 MOUSE	A. A similarity transformation preserves measure.	28 COMING
	B. A similarity transformation also enlarges or reduces side	
square	lengths by a factor k .	areas
АМ	C. If two polygons are similar, then the ratio of any two	AIR
side	lengths in the polygons is equal to the scale factor of the similar polygons.	21
UP	D. If two polygons are similar, then the ratio of their perimeters	WRONG
	is to the ratios of their corresponding side lengths.	3
40	E. If two polygons are similar, then the ratio of their areas is equal	3 4
SOMETHING	to the of the ratios of their corresponding side lengths.	DOWN
equal	Triangles <i>XYZ</i> and <i>PQR</i> are similar. Find the indicated value.	double
1	F. $p = 15, q = 21, Z$	HIGH
	$r = 9, x = 20, \qquad \qquad$	
36	z = 12; Find y.	scale
AND	G. Find the scale factor $x \qquad p \qquad q$	I
	from $\triangle XYZ$ to $\triangle PQR$.	
corresponding		70
THINK	Polygons <i>DEFG</i> and <i>PQRS</i> are similar. Find the indicated value.	RED
400	H. The perimeter of <i>PQRS</i> is <i>D E</i> 60 inches, and the ratio of <i>E</i>	1
100		<u>1</u> 4
WITH	the side lengths is $\frac{3}{5}$. Find	FAST
similar	the perimeter of <i>DEFG</i> . $G \square Q \square P$	angle
GOING	I. The perimeter of <i>DEFG</i> is 280 inches, and the ratio of the side	HEY
GOING	lengths is $\frac{1}{7}$. Find the perimeter of <i>PQRS</i> .	· · · - ·
	1	

Date

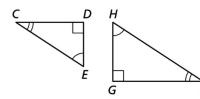


What Gets Wetter The More It Dries?

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

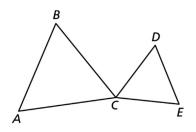
1. Complete the sentence. If two angles of one triangle are congruent to two angles of another triangle, then the two triangles are

Use the diagram.



- **2.** If $m \angle C = 36^\circ$, then $m \angle H = 54^\circ$. True or false?
- **3.** Complete the statement. $\triangle EDC \sim \triangle$
- **4.** If $m \angle E = 73^\circ$, find $m \angle K$.

Use the diagram.



- **5.** $m \angle A = 42^\circ, m \angle D = 95^\circ, m \angle E = 42^\circ, \angle B \cong \angle D;$ Find $m \angle ACB$.
- **6.** $m \angle A = m \angle E = m \angle ACB = m \angle ECD = 59^{\circ}$; Find $m \angle D$.

3	6	2	1	5	4]
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Answers			
K.	73°		
L.	17°		
U.	false		
Т.	62°		
Α.	congruent		
М.	right angle		
W.	similar		
E.	43°		
I.	EDC		
0.	true		
D.	42°		
Α.	HGK		
В.	KGH		