

A

The dimensions of 4 rectangles are given below. Which two rectangles are similar?

Explain your reasoning.

A. 2" x 8"

B. 4" x 10"

C. 6" x 12"

D. 6" x 15"

Because 2 and 4 are similar so are 8 and 10. also B's Just 2 square bigger then the width and 2 squares bigger then the length of A

B

The dimensions of 4 rectangles are given below. Which two rectangles are similar?

Explain your reasoning.

A. 2" x 8"

B. 4" x 10"

C. 6" x 12"

D. 6" x 15"

B + D because both of the first numbers go into the second number 2.5 times.

Similar Rectangles

Response 3

C

The dimensions of 4 rectangles are given below. Which two rectangles are similar?

Explain your reasoning.

A. 2" x 8"

B. 4" x 10"

C. 6" x 12"

D. 6" x 15"

The scale factor is 1.5

~~Handwritten scribbles and crossed-out work.~~

$$B = \begin{matrix} 4 \times 1.5 = 6 \\ 10 \times 1.5 = 15 \end{matrix} = D$$

The dimensions of 4 rectangles are given below. Which two rectangles are similar?

Explain your reasoning.

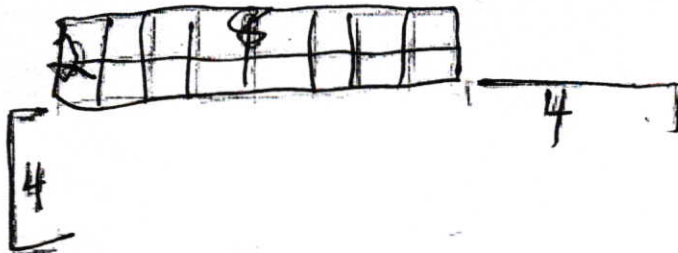
A. 2" x 8"

B. 4" x 10"

C. 6" x 12"

D. 6" x 15"

the 2 by 8 rectangle
is 4 less squares on
both sides than the
6 by 12



E

The dimensions of 4 rectangles are given below. Which two rectangles are similar?

Explain your reasoning.

A. 2" x 8"

B. 4" x 10"

C. 6" x 12"

D. 6" x 15"

A or B because if you apply the rule

$$(x+2)(y+2) \quad 2+2=4$$
$$8+2=10$$

They both go up by the same number meaning (4" x 10") is just an enlarged version of (2" x 8")

Similar Rectangles

Response 6

F

The dimensions of 4 rectangles are given below. Which two rectangles are similar?

Show your work.

A) 2 inches x 8 inches $\frac{2}{8} \quad 2 \div 8 = \frac{1}{4}$

B) 4 inches x 10 inches $\frac{4}{10} \quad 4 \div 10 = \frac{2}{5}$

C) 6 inches x 12 inches $\frac{6}{12} \quad 6 \div 12 = \frac{1}{2}$

D) 6 inches x 15 inches $\frac{6}{15} \quad 6 \div 15 = \frac{2}{5}$

similar

B and D are similar

$$\frac{4}{10} \times \frac{15}{15} = \frac{6}{15}$$

$$\frac{6}{15} \div \frac{4}{10} = \frac{4}{10}$$



The dimensions of 4 rectangles are given below. Which two rectangles are similar?

Explain your reasoning.

- A. 2" x 8" A and B because there dimentions like
B. 4" x 10" 2" x 8" are 6 apart from each other
C. 6" x 12" and 4" x 10" are 6 apart from each other
D. 6" x 15"

Similar Rectangles

Response 8

H

The dimensions of 4 rectangles are given below. Which two rectangles are similar?

Explain your reasoning.

(A) $2'' \times 8''$

(B) $4'' \times 10''$

C. $6'' \times 12''$

D. $6'' \times 15''$

$$\begin{aligned} 2 \times 2 &= 4 \\ 8 \times 2 &= 16 \end{aligned}$$

$$\underline{\underline{2x, y+2}}$$

$$\begin{aligned} 2 &= x \\ 8 &= y \end{aligned}$$