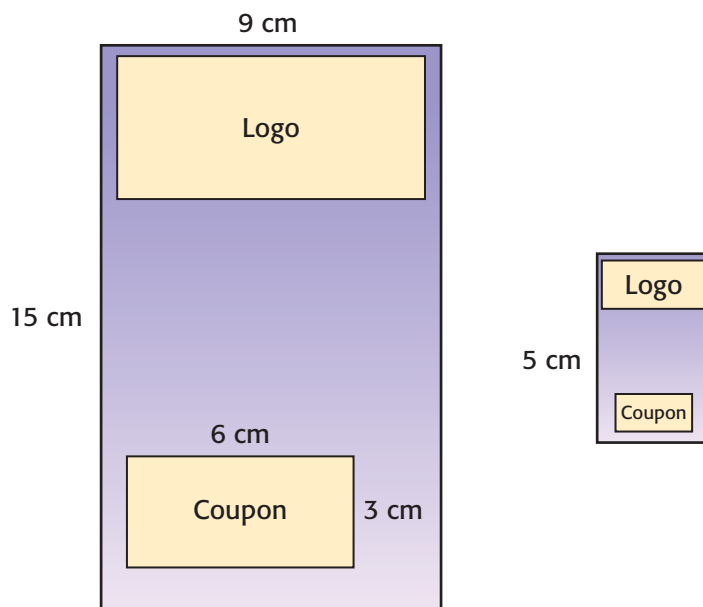


30

3180582

An advertisement for a local paper is reduced on a computer. The dimensions of the original ad and the dimensions of the smaller ad are shown below. The two advertisements are similar.

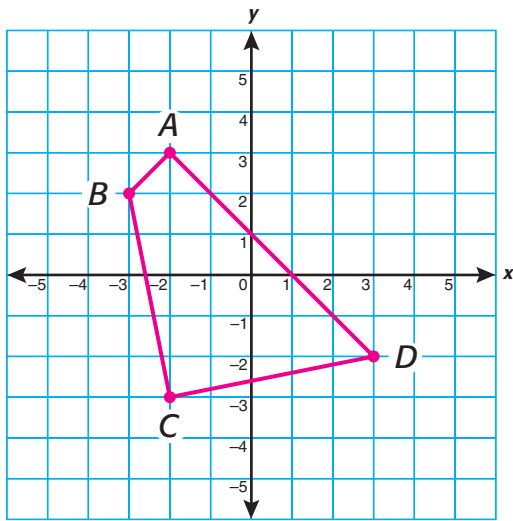


- Find the scale factor used to create the smaller ad. In your answer document, use words, numbers, or diagrams to justify your answer.
- The dimensions of the coupon in the larger ad are 6 centimeters by 3 centimeters. What are the dimensions of the coupon in the smaller ad? In your answer document, use words, numbers, or diagrams to justify your answer.
- The price per square centimeter for ads in the local paper is \$0.85. How much money will you save by putting the smaller ad in the paper? In your answer document, use words, numbers, or diagrams to justify your answer.

61

3169985

John drew quadrilateral $ABCD$ on the coordinate plane shown below.



Which set of ordered pairs appears to be the endpoints of \overline{AD} ?

- A** $(-2, 3)$ and $(3, -2)$
- B** $(3, -2)$ and $(-2, -3)$
- C** $(-2, 3)$ and $(-1, 3)$
- D** $(3, 2)$ and $(-2, 3)$