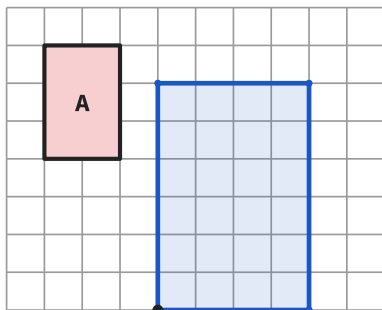


Enlargement

ANSWERS

1

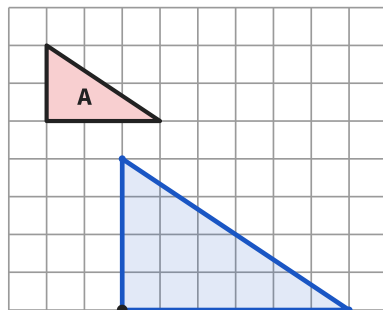
Enlarge shape A by scale factor 2.
Start at the dot.



across $2 \times 2 = 4$
up $3 \times 2 = 6$

2

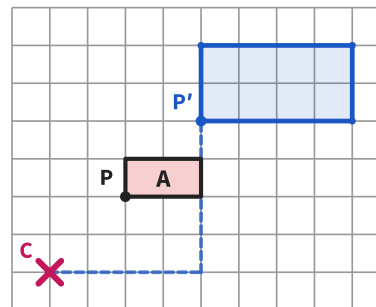
Enlarge shape A by scale factor 2.
Start at the dot.



across $3 \times 2 = 6$
up $2 \times 2 = 4$

3

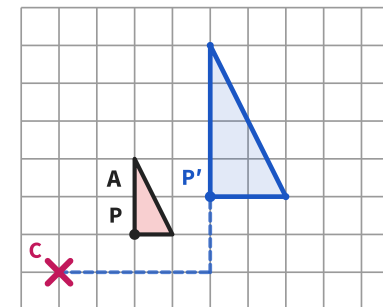
Enlarge shape A by scale factor 2
with centre C.



Journey from C 2 right 2 up
Journey $\times 2$ 4 right 4 up

4

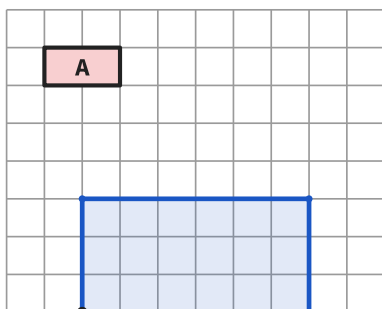
Enlarge shape A by scale factor 2
with centre C.



Journey from C 2 right 1 up
Journey $\times 2$ 4 right 2 up

5

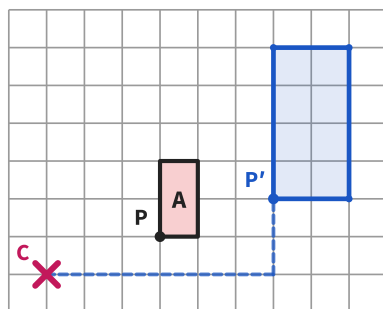
Enlarge shape A by scale factor 3.
Start at the dot.



across $2 \times 3 = 6$
up $1 \times 3 = 3$

6

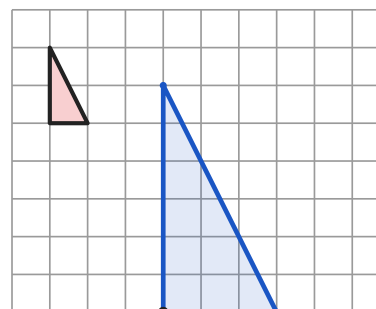
Enlarge shape A by scale factor 2
with centre C.



Journey from C 3 right 1 up
Journey $\times 2$ 6 right 2 up

7

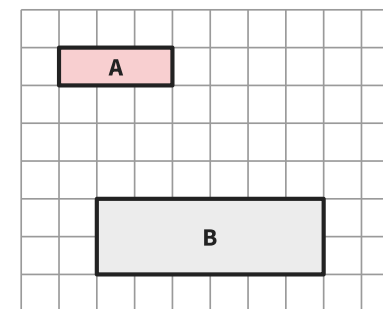
Enlarge the sticker by scale factor 3.
Start at the dot.



across $1 \times 3 = 3$
up $2 \times 3 = 6$

8

Shape B is an enlargement of
shape A. What is the scale factor?

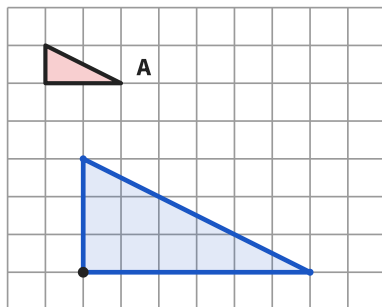


across A 3 B 6
Scale factor 2

9



Enlarge shape A by scale factor 3.
Start at the dot.

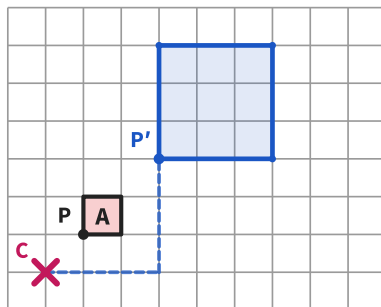


across $2 \times 3 = 6$
up $1 \times 3 = 3$

10



Enlarge shape A by scale factor 3
with centre C.

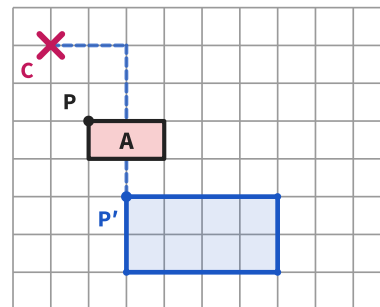


Journey from C 1 right 1 up
Journey $\times 3$ 3 right 3 up

11



Enlarge shape A by scale factor 2
with centre C.

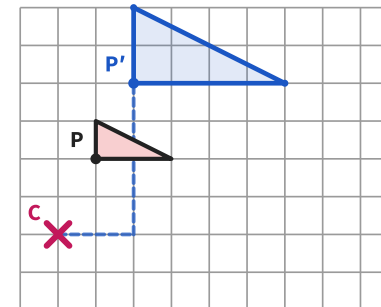


Journey from C 1 right 2 down
Journey $\times 2$ 2 right 4 down

12



Enlarge the flag by scale factor 2
with centre C.

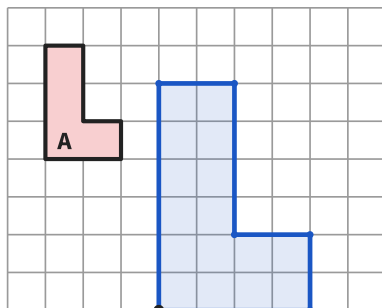


Journey from C 1 right 2 up
Journey $\times 2$ 2 right 4 up

13



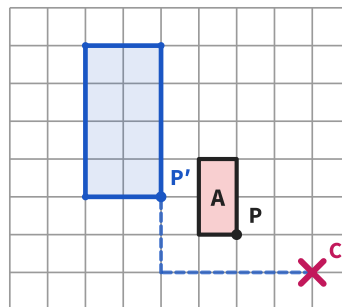
Enlarge shape A by scale factor 2.
Start at the dot.



14



Enlarge shape A by scale factor 2
with centre C.

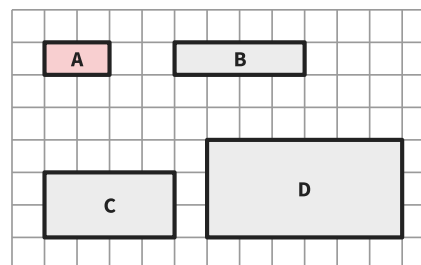


Journey from C 2 left, 1 up
Journey $\times 2$ 4 left, 2 up

15



Which shape is an enlargement of A
by scale factor 2?

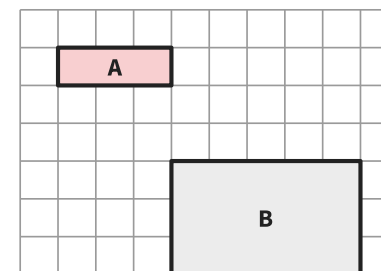


Shape C

16



Sam enlarges shape A by scale
factor 2. He draws B. What has he
done wrong?



Sam added 2 to each side.
He should have $multiplied by 2$.