Scale Factor Worksheet
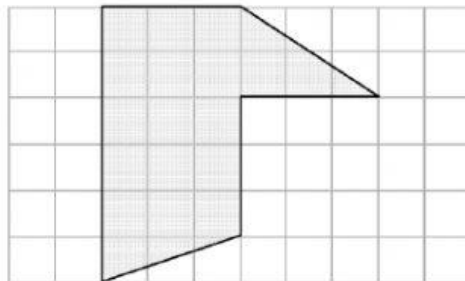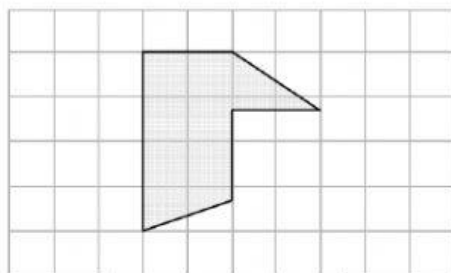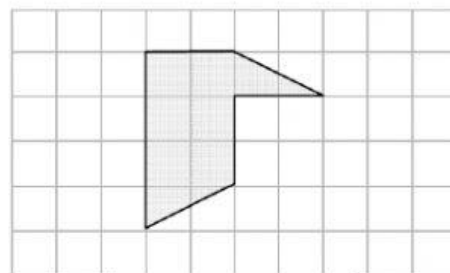
1. Gordon and Sally were asked to make a drawing to reduce this shape by a scale factor of $\frac{2}{3}$.

Here are the drawings they made.
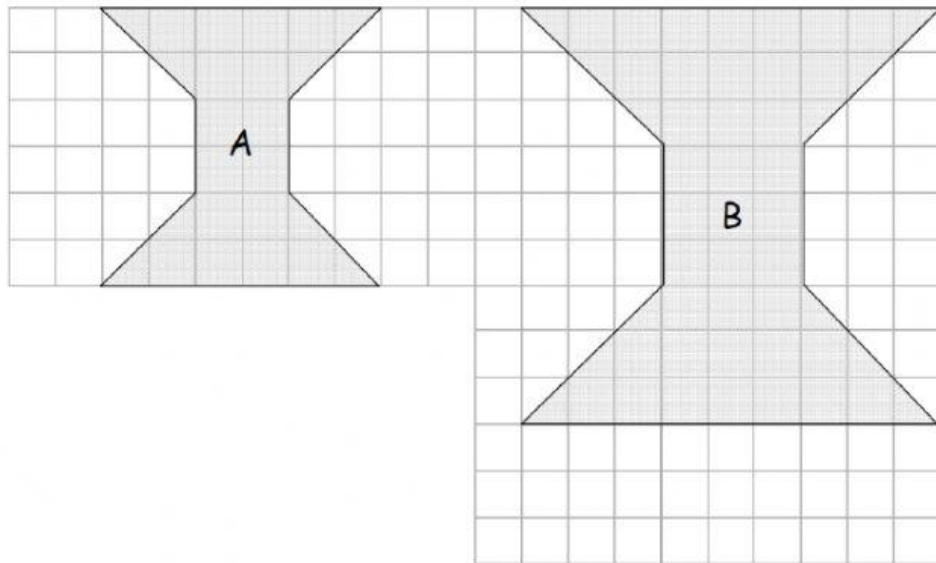
| Gordon | Sally |

Who carried out the task correctly? Explain your answer.   **(1 and #)**

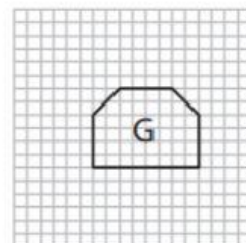**3.** Shape A has been enlarged by a scale factor to give shape B.

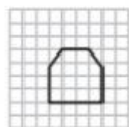Cooper thinks that a scale factor of $\frac{3}{2}$ has been used.

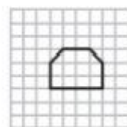Is he correct? Explain your answer. **(1 and #)**
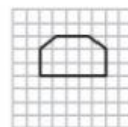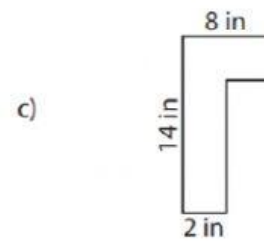
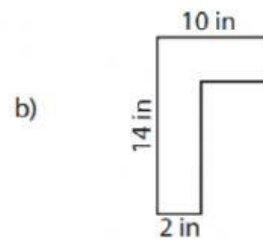**2)** Which figure is the scaled copy of figure G?

a)

b)

c)

3) Which of the following figures is the scaled copy of the figure A?

4 in
7 in | A
1 in

a)
8 in
14 in
2.5 in

b)
10 in
14 in
2 in

c)
8 in
14 in
2 in

5) Identify the scale factor of figure S to T.

3 yd
4.5 yd
S
1.5 yd
2 yd

12 yd
18 yd
T
6 yd
8 yd

a) 4 : 1   b) 1 : 4   c) 1 : 4.5