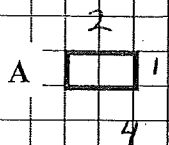


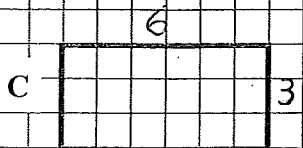
Fill in the perimeter and area of each figure.



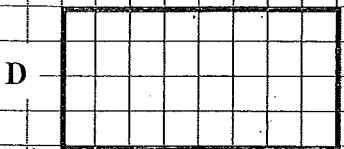
Perim = 6  
Area = 2



Perim = 12  
Area = 8



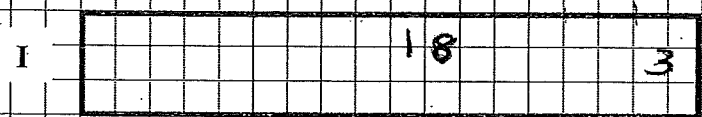
Perim = 18  
Area = 18



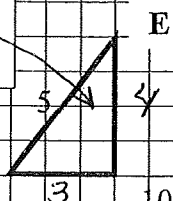
Perim = 24  
Area = 32



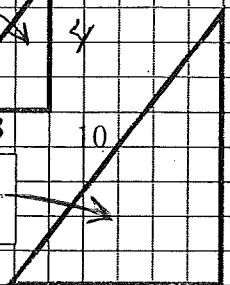
Perim = 14  
Area = 6



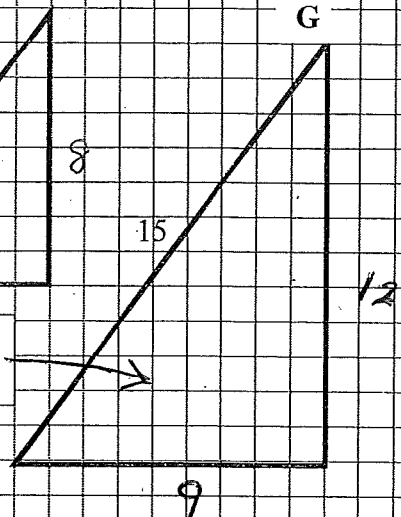
Perim = 42  
Area = 54



Perim = 12  
Area = 6



Perim = 24  
Area = 24



Perim = 36  
Area = 54

| Shapes        | Ratio of Sides                | Ratio of Perimeters           | Ratio of Areas                | Description in Words                           |
|---------------|-------------------------------|-------------------------------|-------------------------------|--|
| $\frac{B}{A}$ | $\frac{4}{2} = \frac{2}{1}$   | $\frac{12}{6} = \frac{2}{1}$  | $\frac{8}{2} = \frac{4}{1}$   | Ratio of sides = Ratio of perimeters           |
| $\frac{C}{A}$ | $\frac{6}{2} = \frac{3}{1}$   | $\frac{18}{6} = \frac{3}{1}$  | $\frac{18}{2} = \frac{9}{1}$  | (Ratio of sides) <sup>2</sup> = Ratio of areas |
| $\frac{D}{A}$ | $\frac{8}{2} = \frac{4}{1}$   | $\frac{24}{6} = \frac{4}{1}$  | $\frac{32}{2} = \frac{16}{1}$ |  |
| $\frac{C}{B}$ | $\frac{6}{4} = \frac{3}{2}$   | $\frac{18}{12} = \frac{3}{2}$ | $\frac{18}{8} = \frac{9}{4}$  |  |
| $\frac{F}{E}$ | $\frac{10}{5} = \frac{2}{1}$  | $\frac{24}{12} = \frac{2}{1}$ | $\frac{24}{6} = \frac{4}{1}$  |  |
| $\frac{F}{G}$ | $\frac{10}{15} = \frac{2}{3}$ | $\frac{24}{36} = \frac{2}{3}$ | $\frac{24}{54} = \frac{4}{9}$ |  |
| $\frac{H}{I}$ | $\frac{6}{18} = \frac{1}{3}$  | $\frac{14}{42} = \frac{1}{3}$ | $\frac{6}{54} = \frac{1}{9}$  |  |

Scale factor ↗