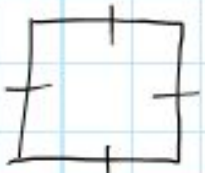
* Find the area and the perimeter



$1\frac{5}{6} = \frac{11}{6}$

Perimeter

$= \frac{11}{3\cancel{6}} \cdot \frac{\overset{2}{\cancel{4}}}{1} = \boxed{\frac{22}{3}}$ ✓

Area $= \frac{11}{6} \cdot \frac{11}{6} = \left(\frac{11}{6}\right)^2$

$= \boxed{\frac{121}{36}}$ ✓

$=$

$2\frac{2}{3}$

Perimeter $= 1\frac{1}{5} + 1\frac{1}{5} + 2\frac{2}{3} + 2\frac{2}{3}$

$= 2\frac{2}{5} + 5\frac{1}{3}$

$= \frac{12}{5}\cdot\frac{3}{3} + \frac{16}{3}\cdot\frac{5}{5}$

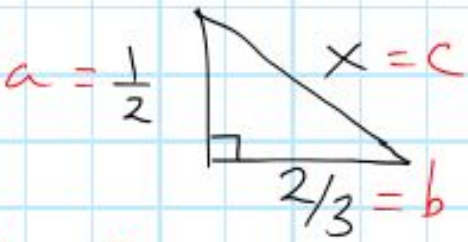
$= \frac{36}{15} + \frac{80}{15} = \boxed{\frac{116}{15}}$

Area

$1\frac{1}{5} \cdot 2\frac{2}{3} = \frac{\overset{2}{\cancel{6}}}{5} \cdot \frac{8}{\cancel{3}_{1}}$

$= \boxed{\frac{16}{5}}$

Solve for the missing side (Fraction answers)



$a^2 + b^2 = c^2$

$\left(\frac{1}{2}\right)^2 + \left(\frac{2}{3}\right)^2 = c^2$

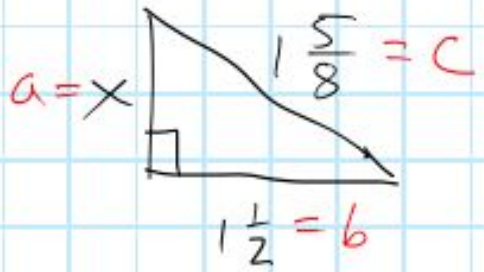
$\frac{1}{2}\cdot\frac{1}{2} + \frac{2}{3}\cdot\frac{2}{3} = c^2$

$\frac{1\cdot 9}{4\cdot 9} + \frac{4\cdot 4}{9\cdot 4} = c^2$

$\frac{9}{36} + \frac{16}{36} = c^2$

$\frac{25}{36} = c^2 \Rightarrow c = \sqrt{\frac{25}{36}}$

$\boxed{c = \frac{5}{6}}$



$a^2 + b^2 = c^2$

$\Rightarrow a^2 = c^2 - b^2$

$a^2 = \left(1\frac{5}{8}\right)^2 - \left(1\frac{1}{2}\right)^2$

$a^2 = \left(\frac{13}{8}\right)^2 - \left(\frac{3}{2}\right)^2$

$a^2 = \frac{169}{64} - \frac{9\cdot 16}{4\cdot 16}$

$a^2 = \frac{169}{64} - \frac{144}{64} = \frac{25}{64}$

$a = \sqrt{\frac{25}{64}} = \boxed{\frac{5}{8}}$