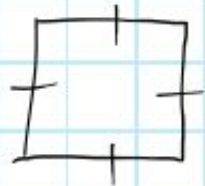


* Find the area and the perimeter



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

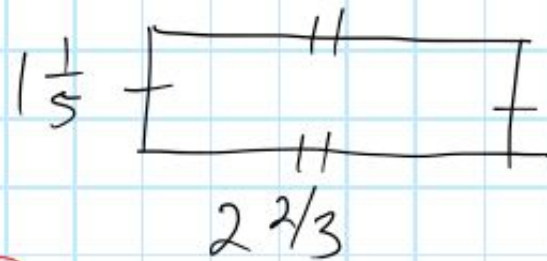
Area

$$= \frac{11}{6} \cdot \frac{11}{6} = \frac{121}{36} = 3\frac{13}{36}$$

Perimeter

$$1\frac{5}{6} \cdot 4 = \frac{11}{6} \cdot \frac{4}{1} = \frac{44}{6} \div 2$$

$$= \frac{22}{3} = 7\frac{1}{3}$$



Perimeter

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

$$= \frac{6}{5} \cdot 2 + \frac{8}{3} \cdot 2$$

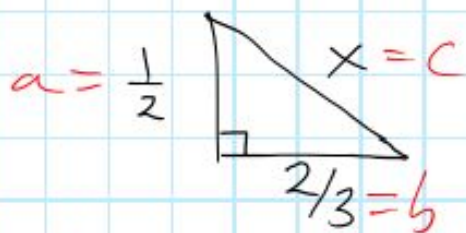
$$= \frac{12 \cdot 3}{5 \cdot 3} + \frac{16 \cdot 5}{3 \cdot 5} = \frac{36}{15} + \frac{80}{15}$$

$$= \frac{116}{15} = 7\frac{11}{15}$$

Area

$$= \frac{6}{5} \cdot \frac{8}{3} = \frac{48}{15} \div 3 = \frac{16}{5} = 3\frac{1}{5}$$

Solve for the missing side (Fractions)



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

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

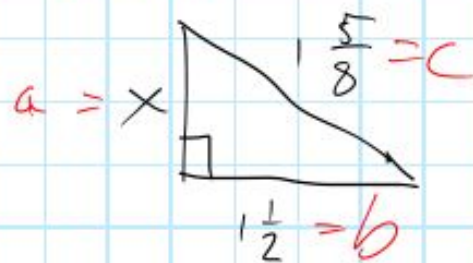
$$\frac{1}{2} \cdot \frac{1}{2} + \frac{2}{3} \cdot \frac{2}{3} = c^2$$

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

$$\frac{1}{36} + \frac{16}{36} = c^2$$

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

$$\sqrt{\frac{25}{36}} = c^2 \Rightarrow \boxed{c = \frac{5}{6}}$$



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

$$a^2 = \left(\frac{15}{8}\right)^2 - \left(\frac{1}{2}\right)^2$$

$$= \left(\frac{13}{8}\right)^2 - \left(\frac{3}{2}\right)^2 = \frac{169}{64} - \frac{9 \cdot 16}{4 \cdot 16}$$

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

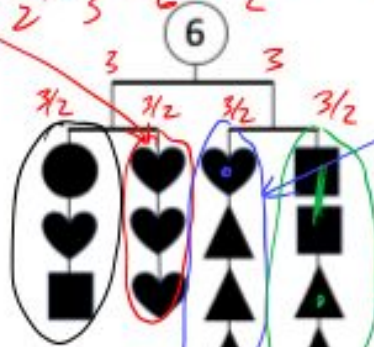
$$a = \sqrt{\frac{25}{64}} = \boxed{\frac{5}{8}}$$

$$\frac{3}{2} - \frac{1}{2} = \frac{5}{12}$$

$$1 - \frac{5}{12} = \frac{7}{12}$$

$$\frac{12}{12} - \frac{5}{12} = \frac{7}{12}$$

$$\frac{3}{2} \div 3 = \frac{3}{2} \times \frac{1}{3} = \frac{3}{6} = \frac{1}{2}$$



$$\frac{3}{2} - \frac{1}{2} = 1$$

$$1 \div 3 = \frac{1}{3}$$

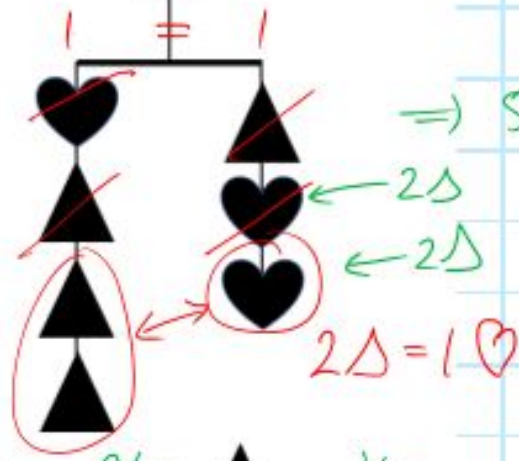
$$\frac{3 \cdot 3}{2 \cdot 2} = \frac{9}{4} - \frac{4}{6}$$

$$= \frac{5}{6} = 2 \square$$

$$\frac{5}{12} = \square$$

$$\heartsuit = \frac{1}{2} \quad \blacksquare = \frac{1}{12} \quad \blacktriangle = \frac{1}{2} \quad \bullet = \frac{7}{12}$$

2



$$\Rightarrow 5\Delta = 1$$

$$\Delta = \frac{1}{5}$$

$$2\Delta = 1 \heartsuit$$

$$\heartsuit = \frac{2}{5} \quad \blacktriangle = \frac{1}{5}$$