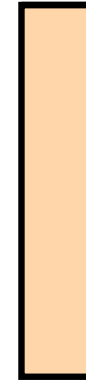
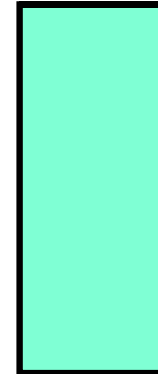
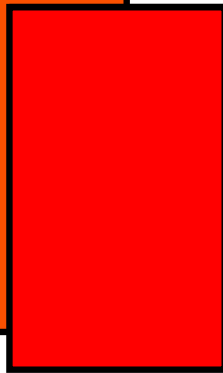
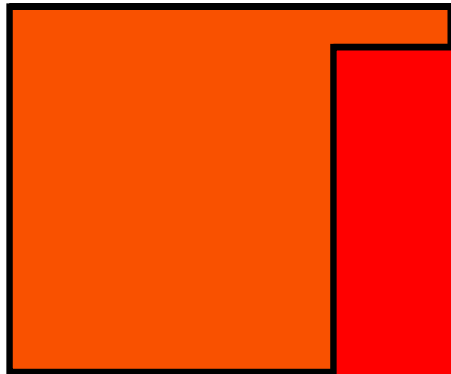
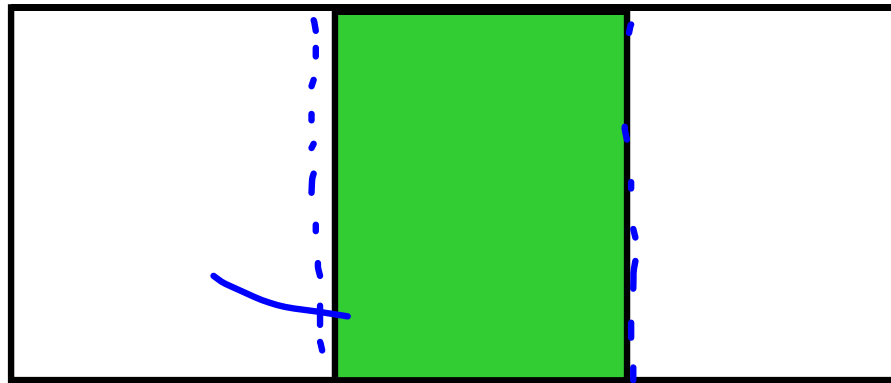
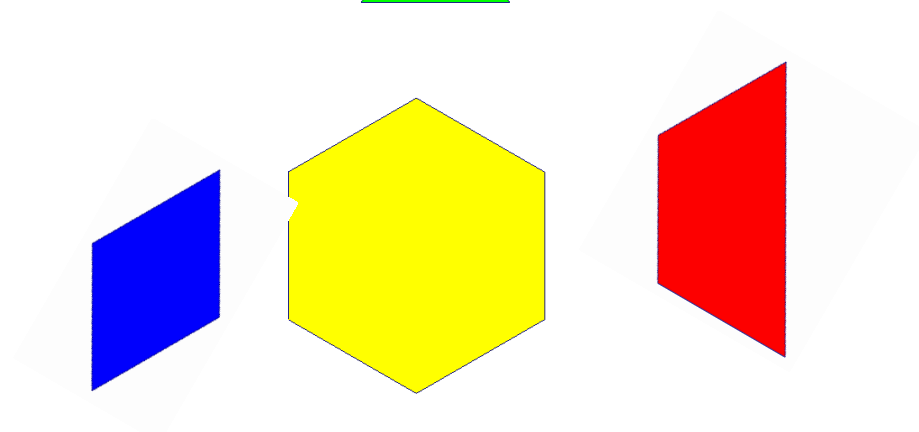
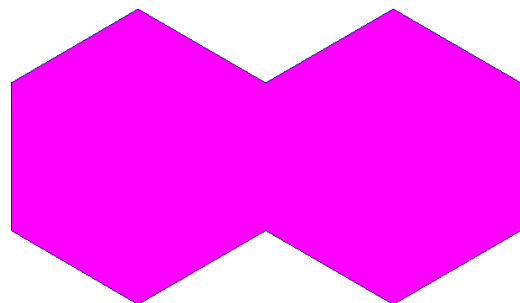
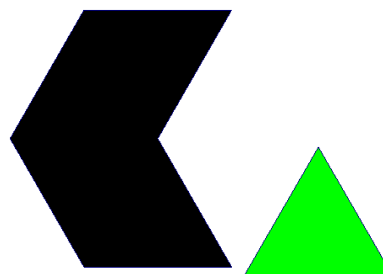
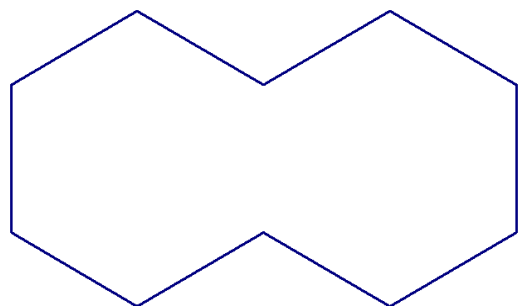


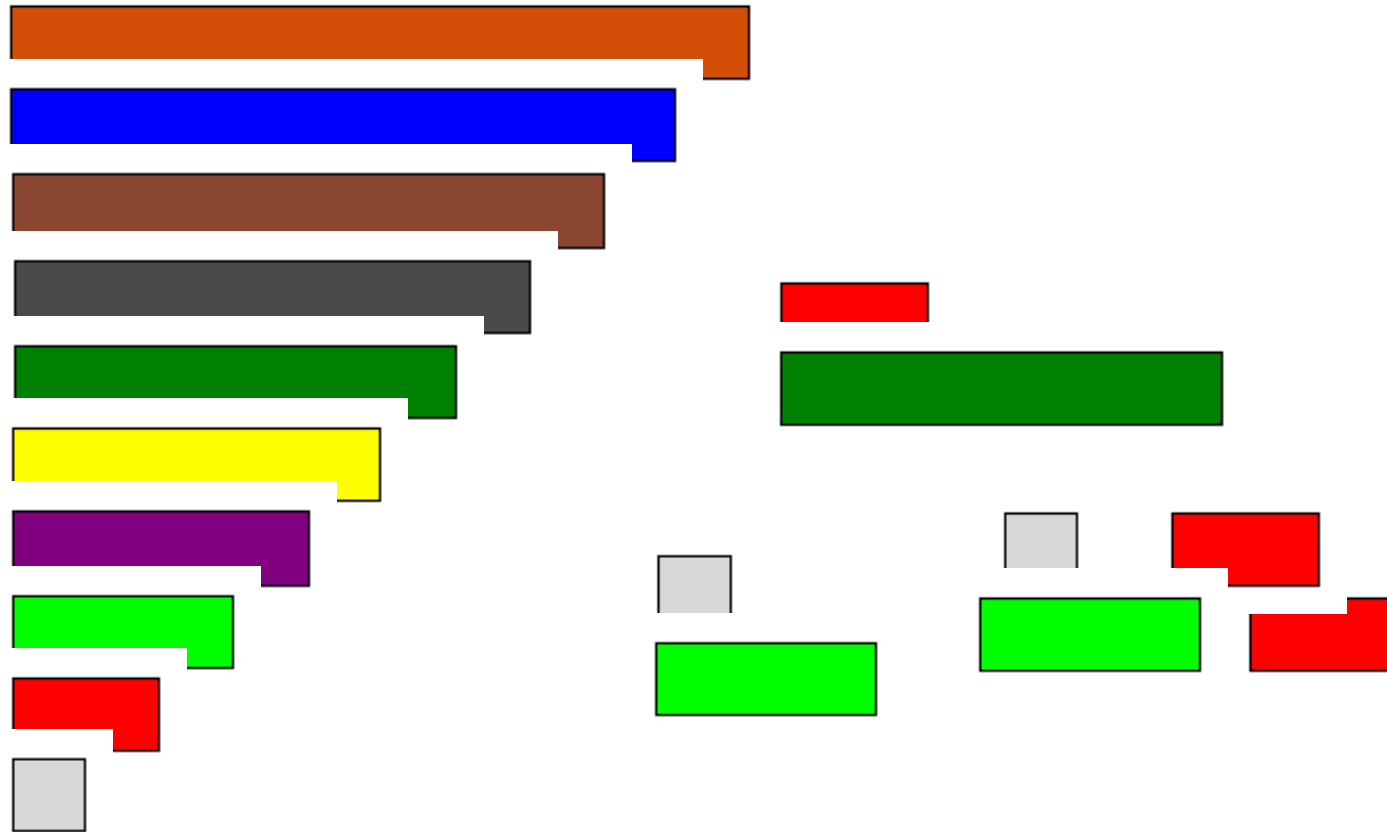
Fraction Factory



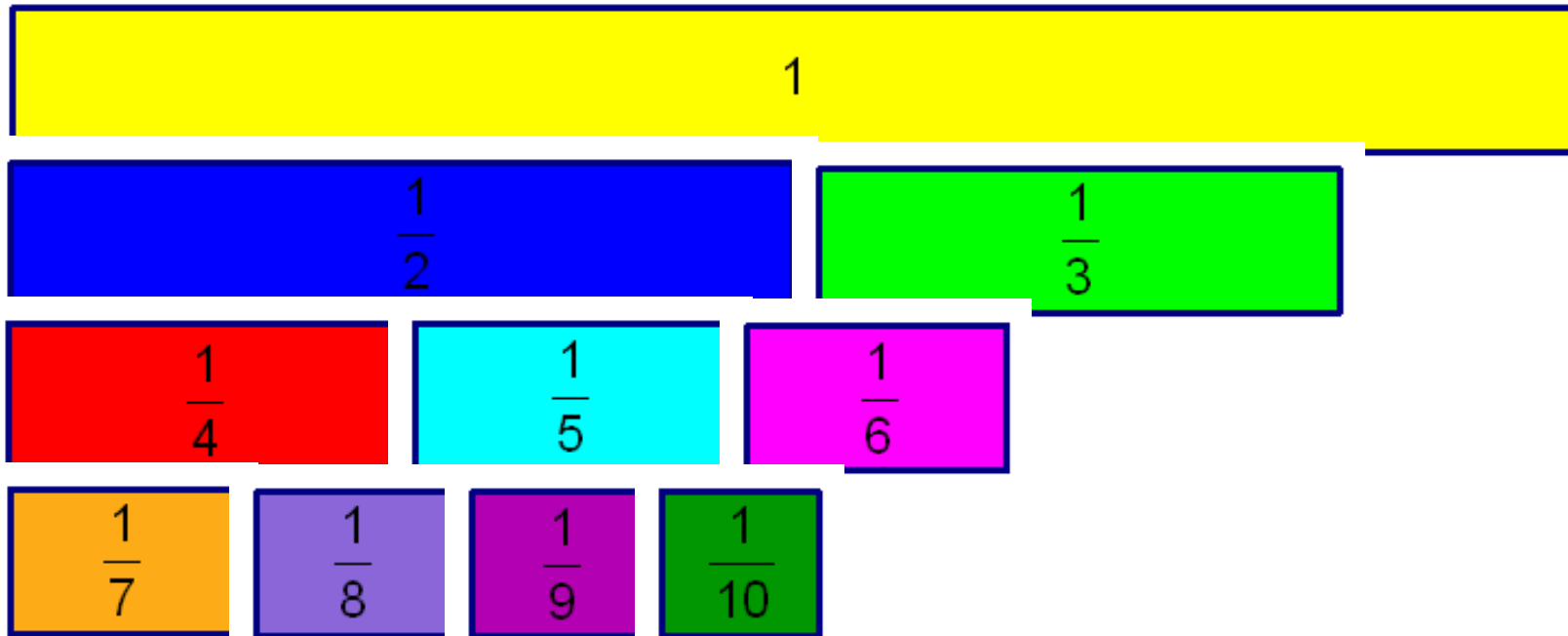
Pattern Blocks and Fraction Blocks



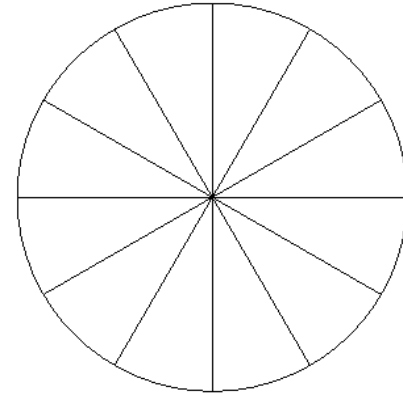
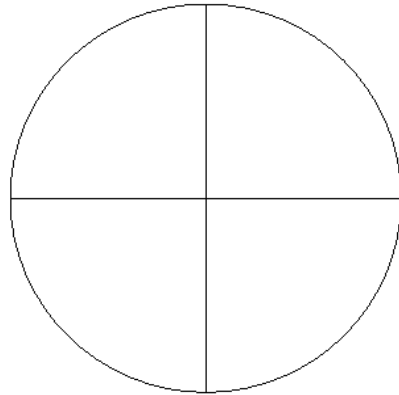
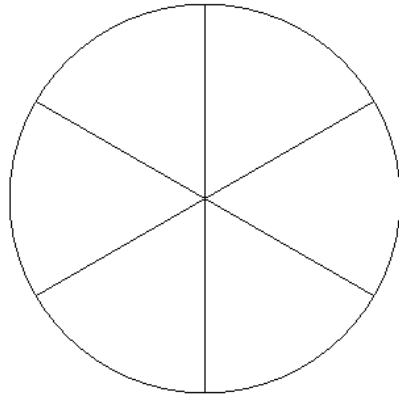
Cuisenaire Rods



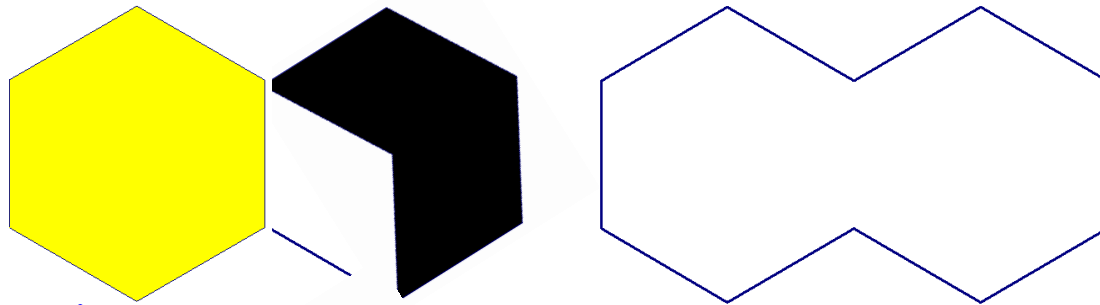
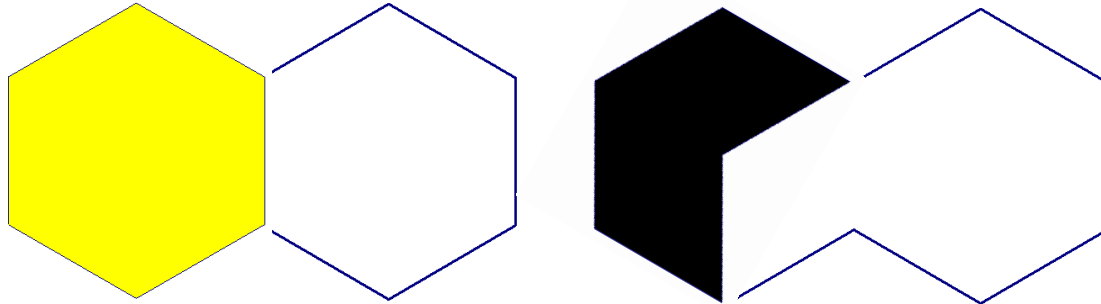
Fraction Strips



Fraction Circles

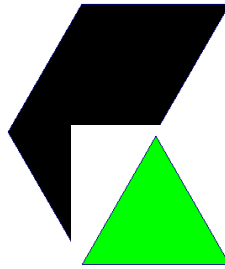
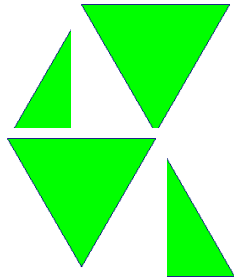


$$\frac{1}{2} + \frac{1}{3}$$



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

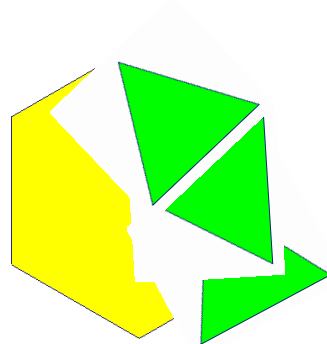
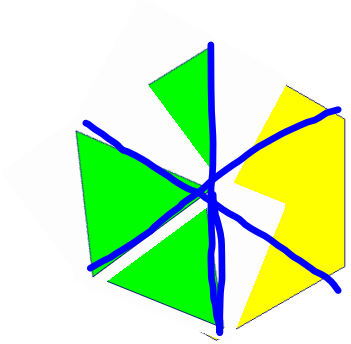
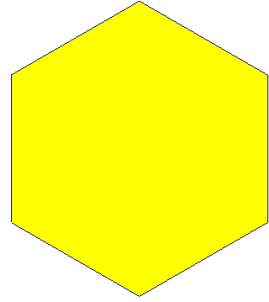
$$\frac{1}{4} + \frac{2}{4}$$



$$\frac{3}{4} + \frac{2}{4} = \frac{5}{4} = 1\frac{1}{4}$$

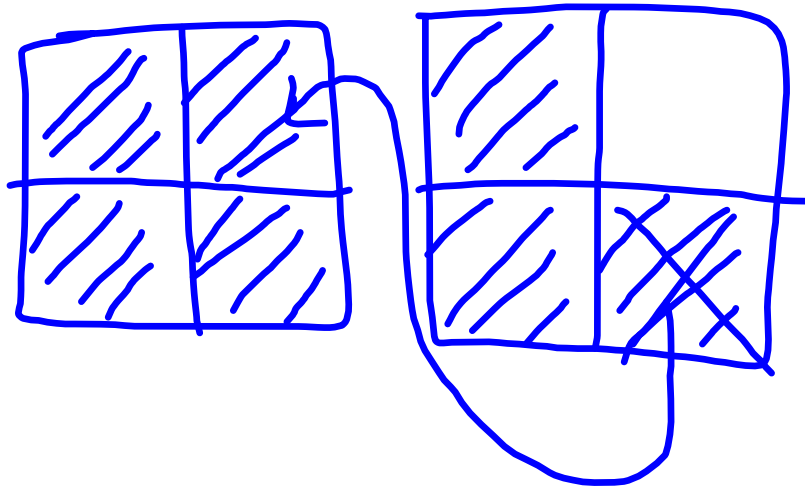
improper mixed

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



$$\frac{2}{6} + \frac{1}{6} = \frac{3}{6}$$

$$\frac{3}{4} + \frac{3}{4} = \frac{6}{4} = 1\frac{2}{4} = 1\frac{1}{2}$$

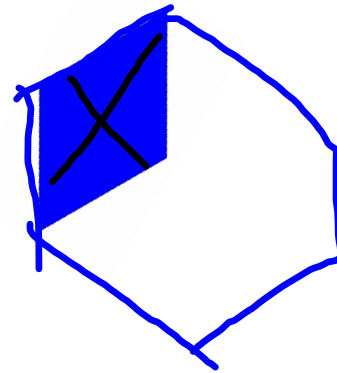
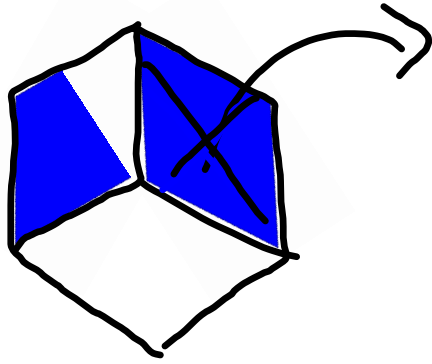
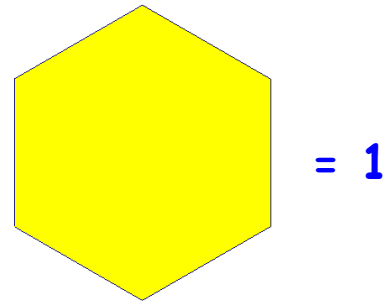


$$\frac{3}{4} + \frac{1}{2}$$

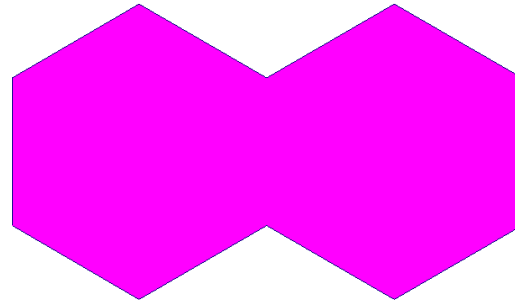
$$\frac{2}{3} + \frac{1}{4}$$

$$\frac{3}{4} + \frac{5}{6}$$

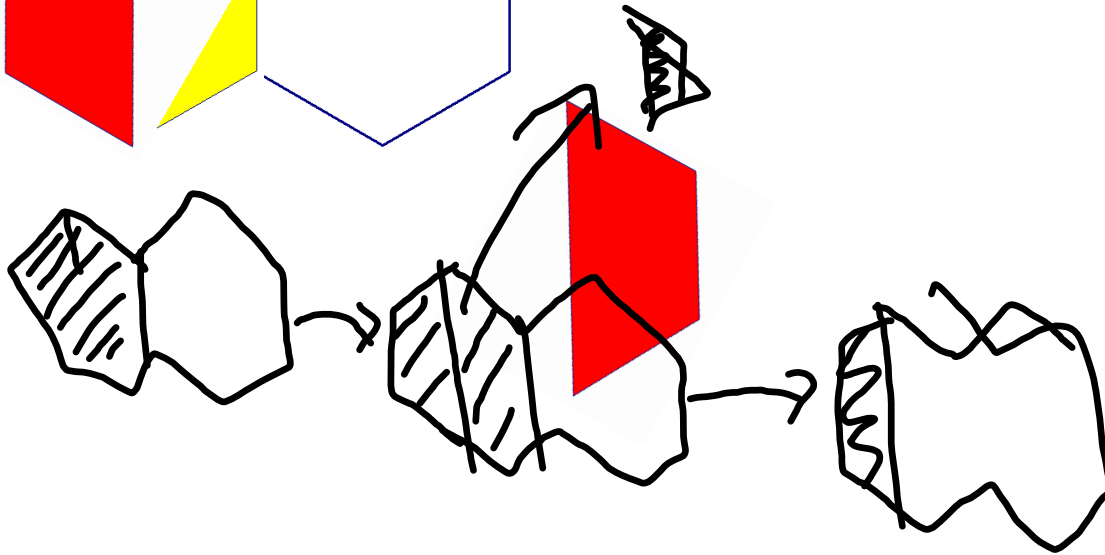
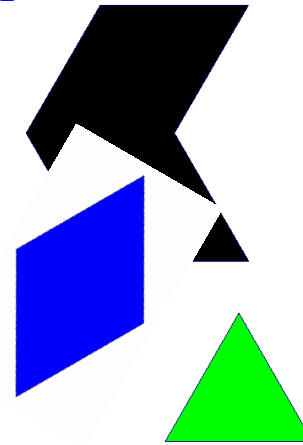
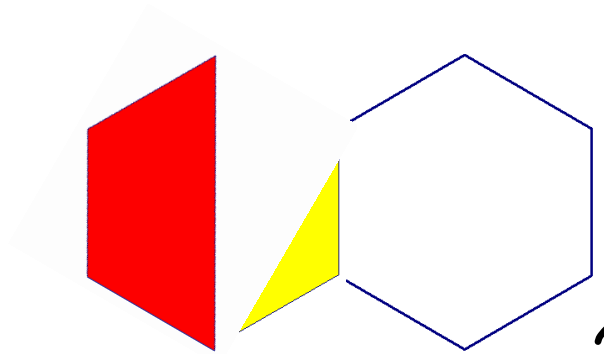
$$\frac{2}{3} - \frac{1}{3}$$



$$\frac{1}{2} - \frac{1}{4}$$



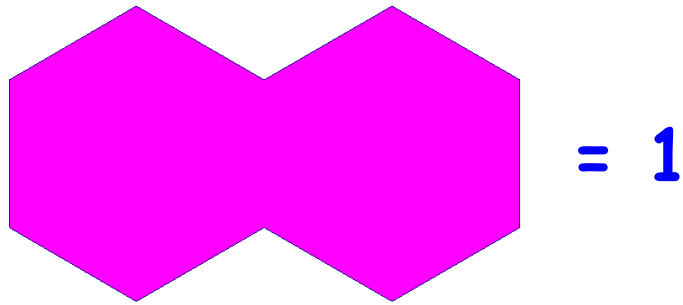
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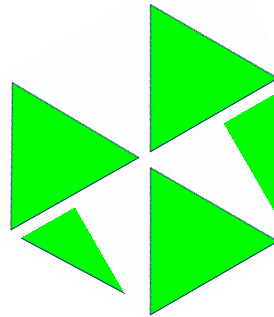
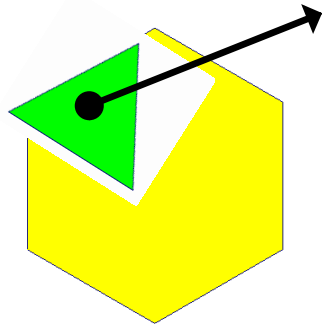
$$\frac{2}{3} - \frac{1}{6}$$

$$\frac{5}{6} - \frac{2}{3}$$

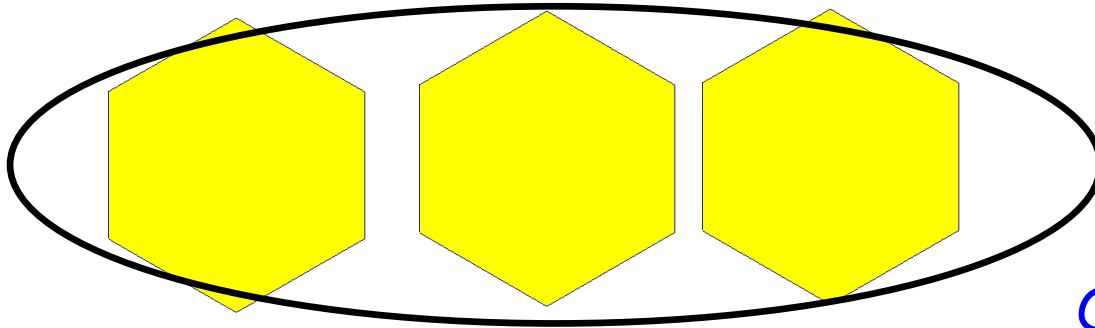
$$\frac{3}{4} - \frac{1}{3}$$



Explain the model symbolically and in words.

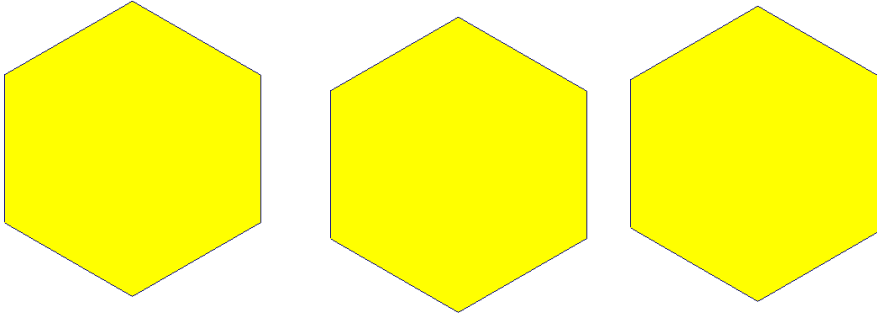


$$\frac{1}{2} - \frac{1}{12} = \frac{5}{12}$$

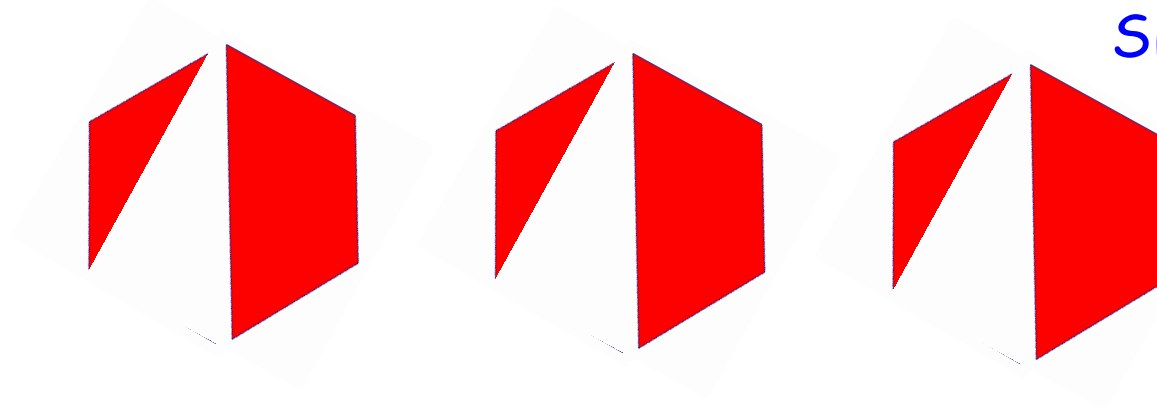


$$\frac{1}{2} \times 6$$

One half of six

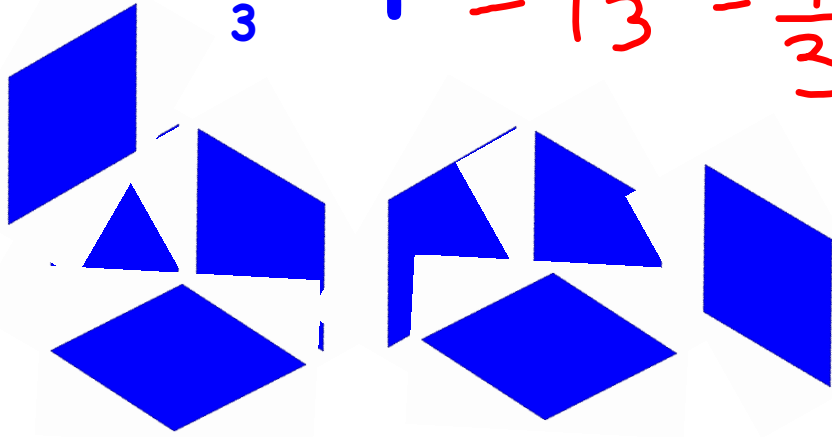


Six sets of one half

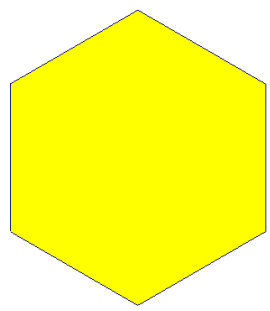
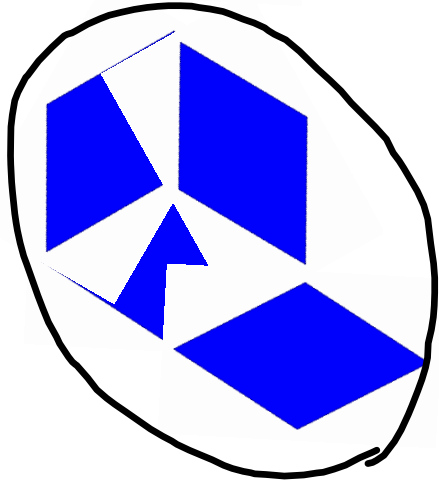
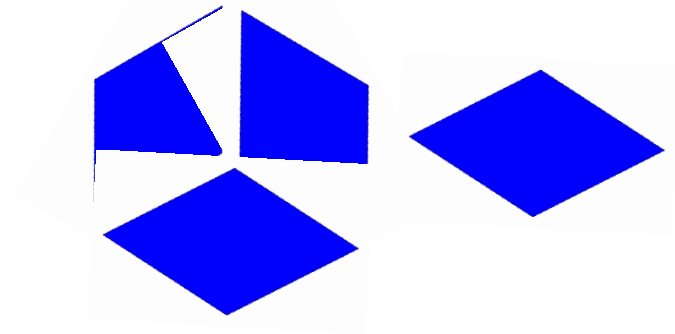


$$6 \times \frac{1}{2}$$

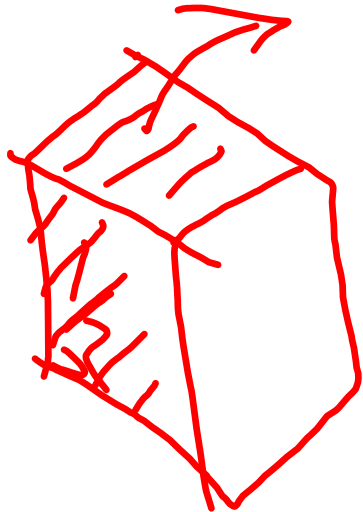
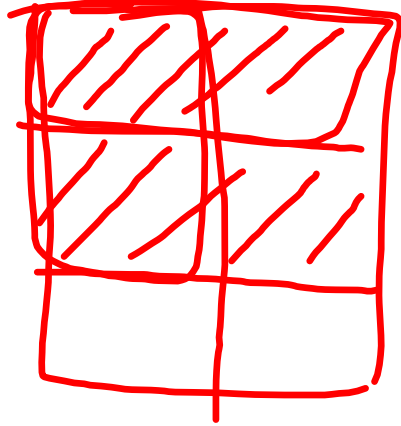
$$\frac{1}{3} \times 4 = 1\frac{1}{3} = \frac{4}{3}$$



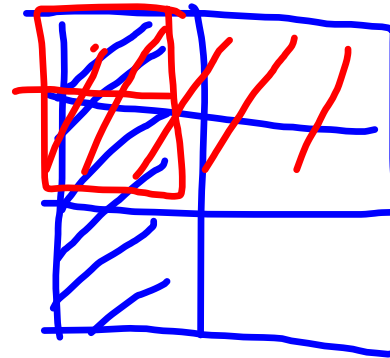
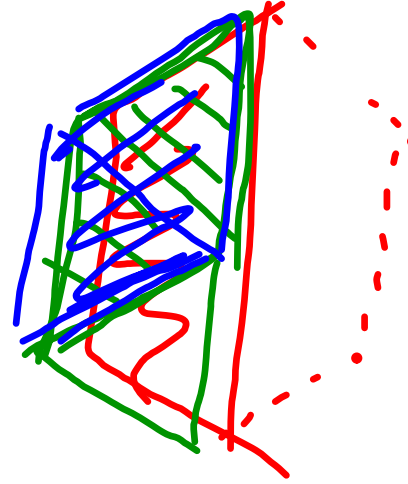
$$4 \times \frac{1}{3} = \frac{4}{3} = 1\frac{1}{3}$$



$$\frac{1}{2} \times \frac{2}{3}$$



$$\frac{2}{3} \times \frac{1}{2}$$

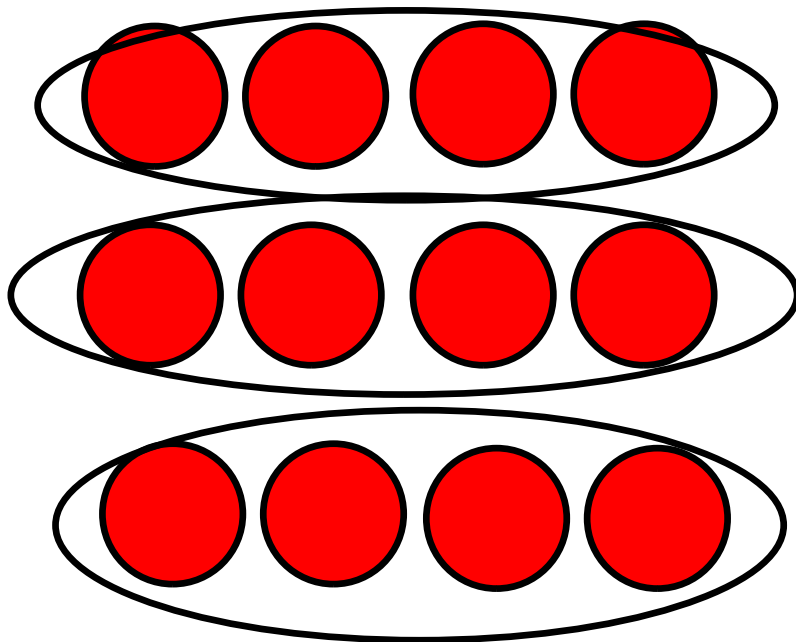


$$\frac{3}{4} \times \frac{5}{6}$$

$$\frac{5}{6} \times \frac{3}{4}$$

$$12 \div 4$$

How many sets of
4 are in 12?



$$3 \div \frac{1}{2}$$

How many sets of one-half are in three?

$$4 \div \frac{2}{3}$$

How many sets of two-thirds are in four?

$$\frac{5}{6} \div \frac{1}{2}$$

How many sets of one
half are in five-sixths?

$$\frac{2}{3} \div \frac{1}{2}$$

How many sets of one half
are in two-thirds?