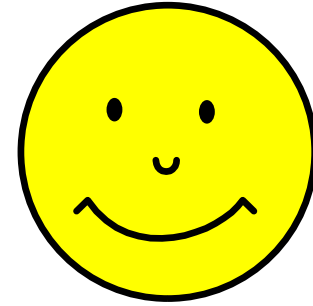
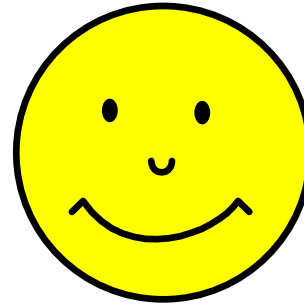
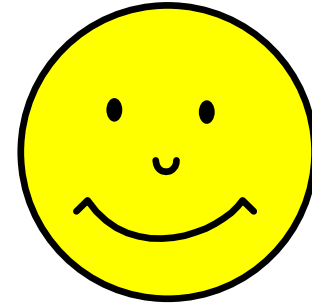
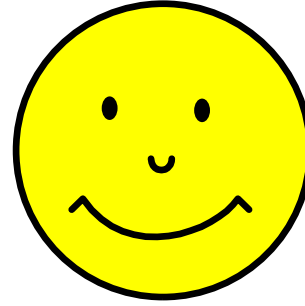
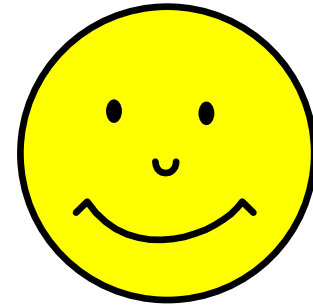
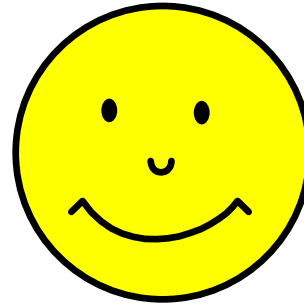
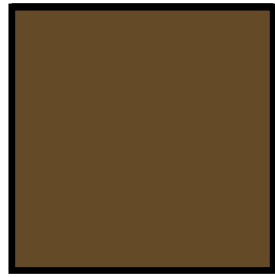
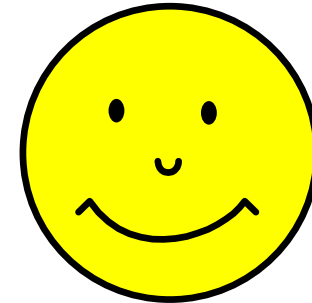
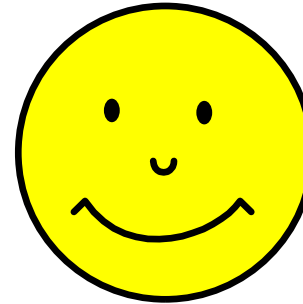
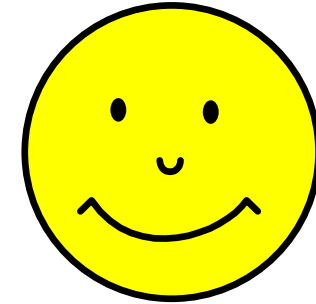
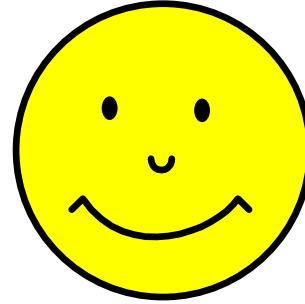
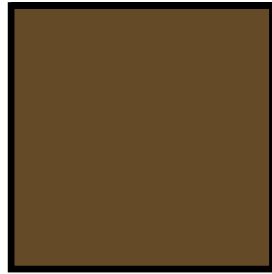
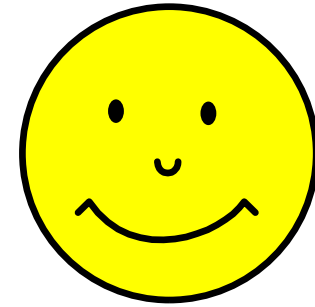
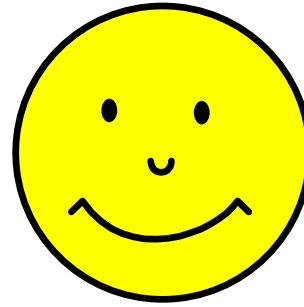
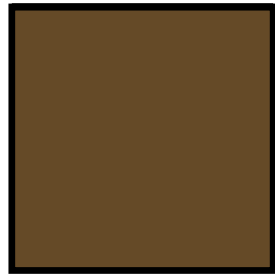


4 brownies are to be shared by 6 people.

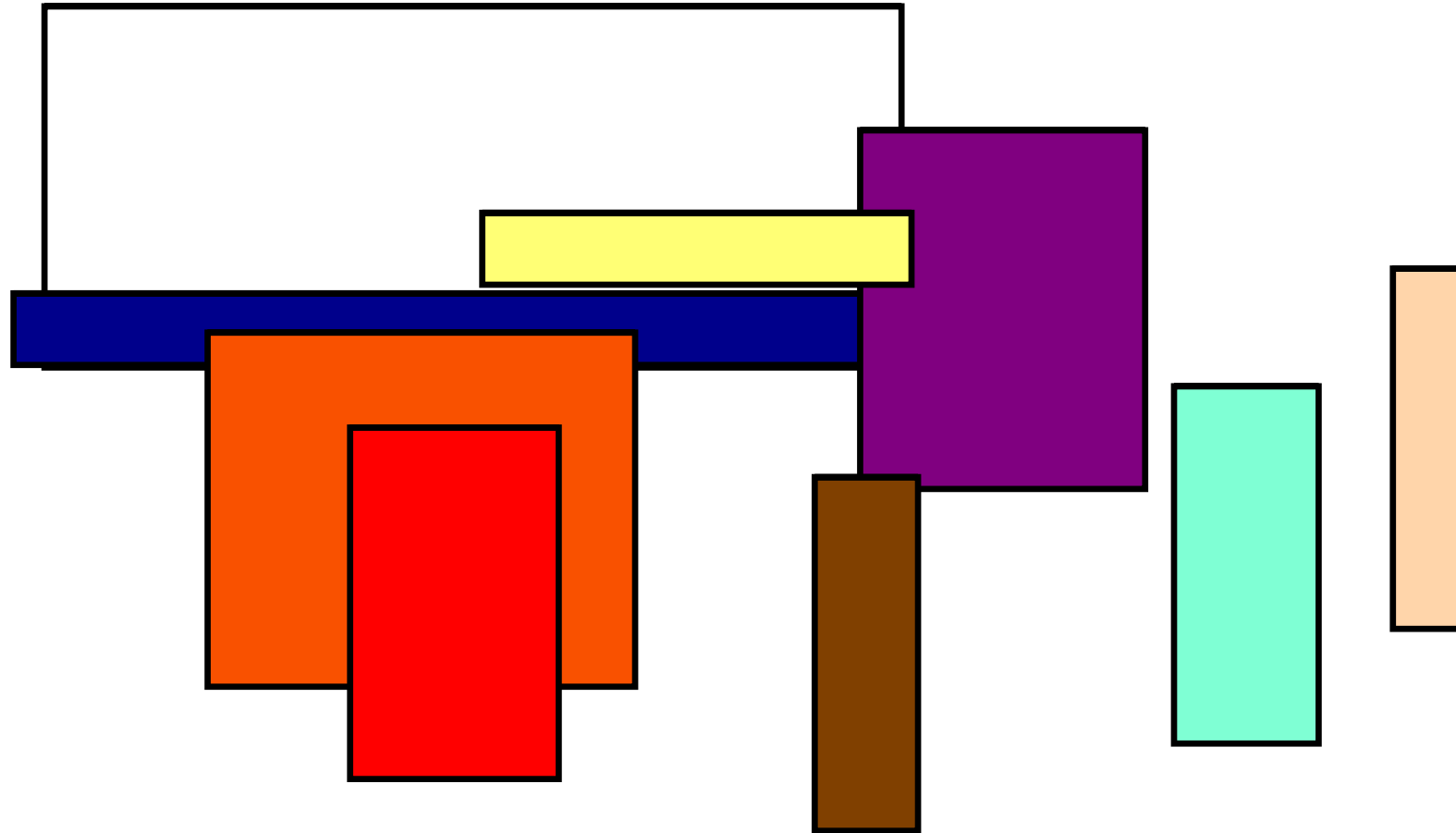


4 brownies are to be shared by 6 people.

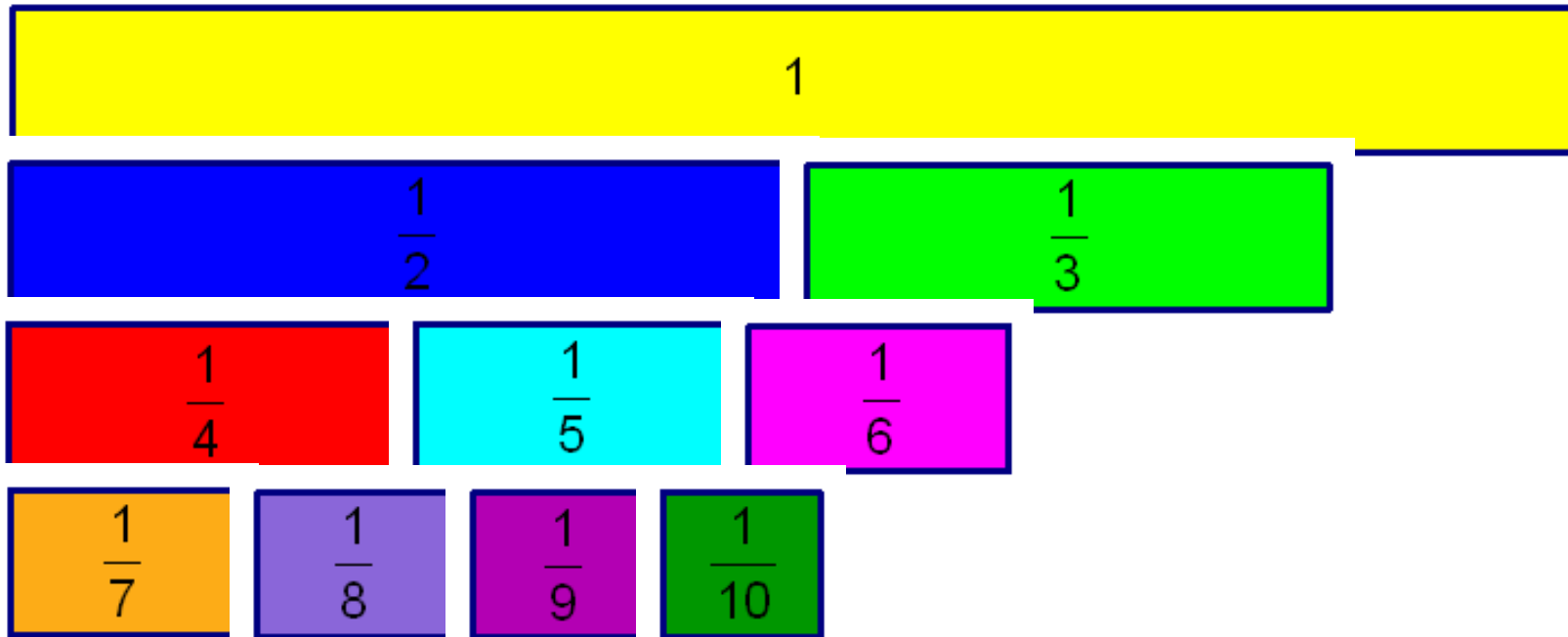


4 brownies are to be shared by 6 people.

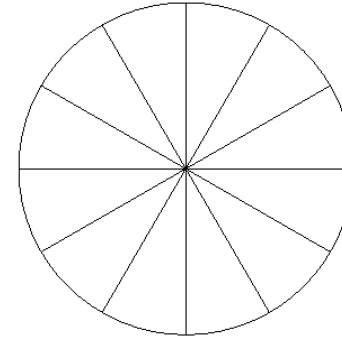
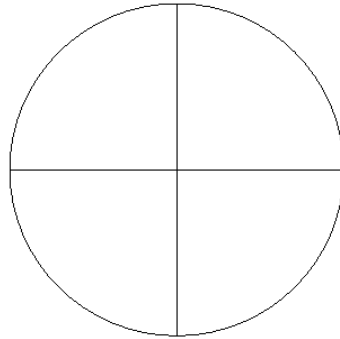
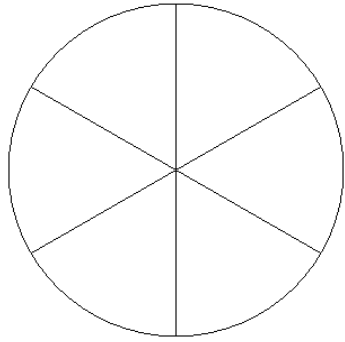
Fraction Factory



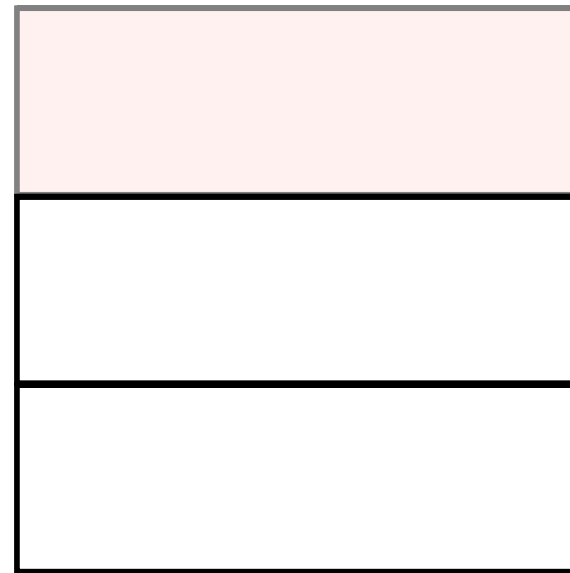
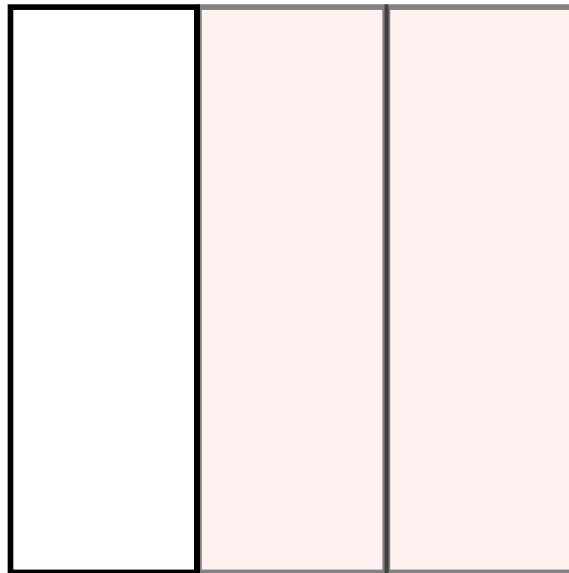
Fraction Strips



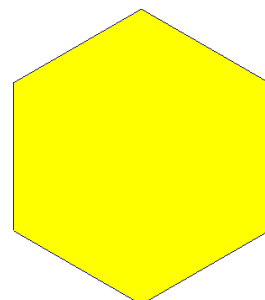
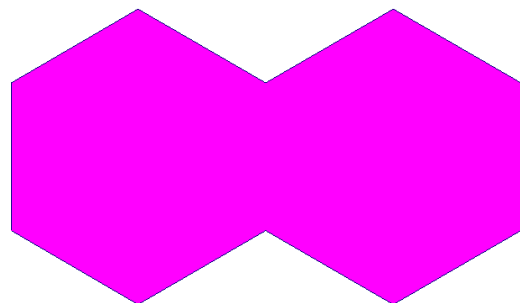
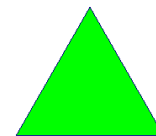
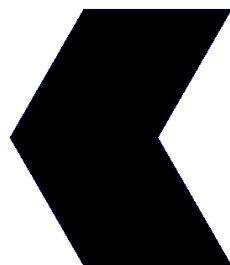
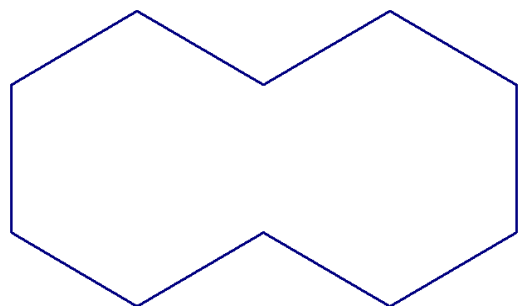
Fraction Circles

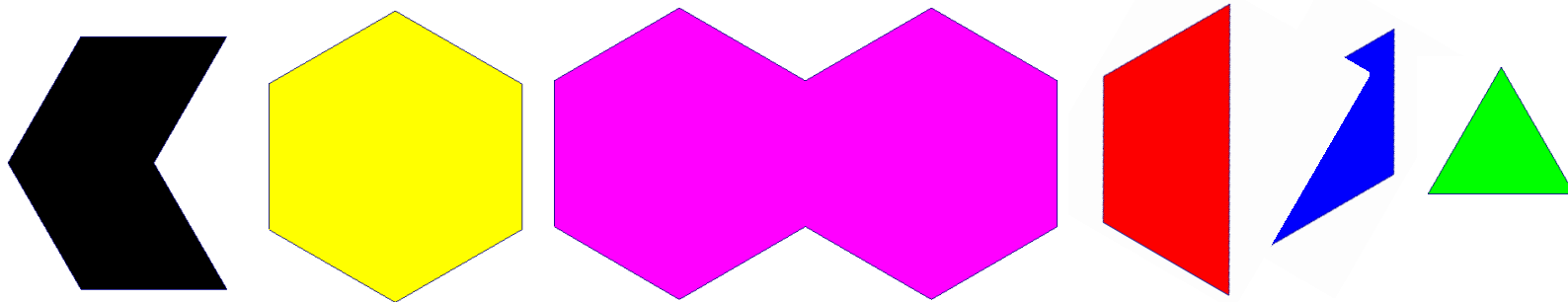


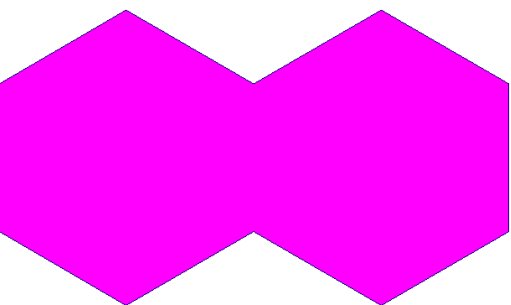
Fraction Squares



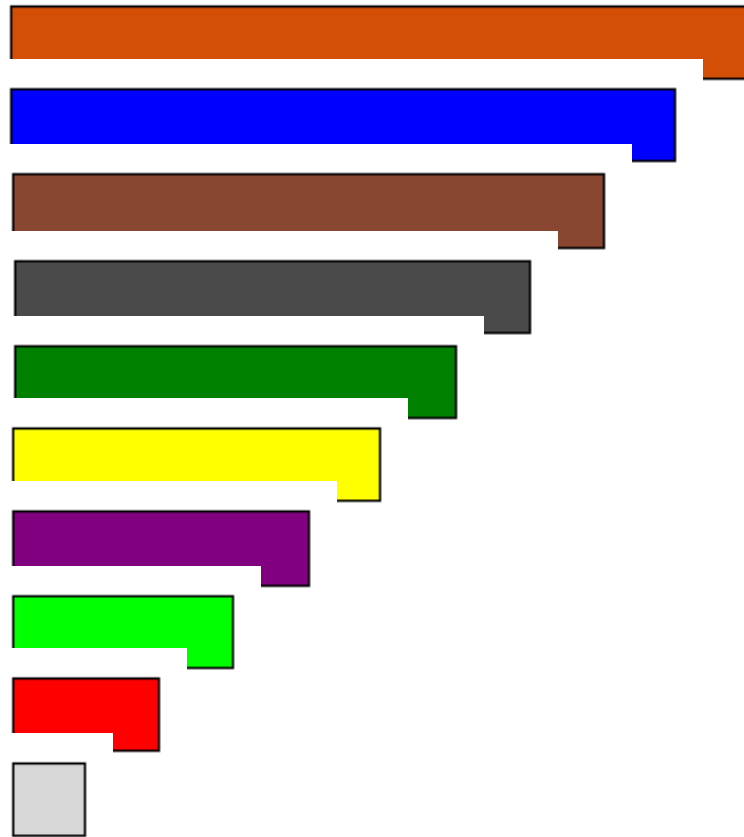
Pattern Blocks and Fraction Blocks





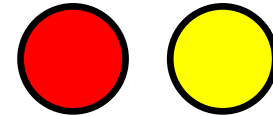
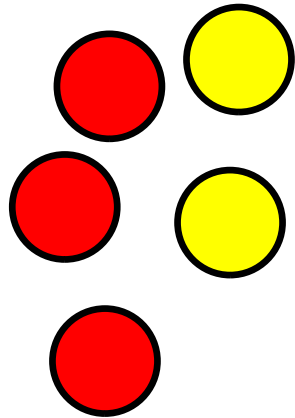
If  = 1, what is the name of every other piece?

Cuisenaire Rods

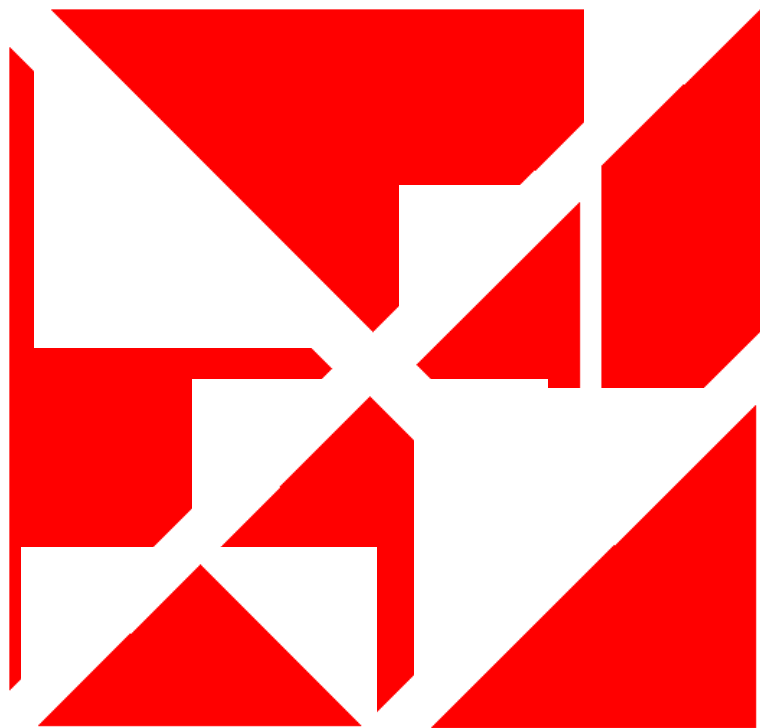


How can we show $1/2$?

Set Models

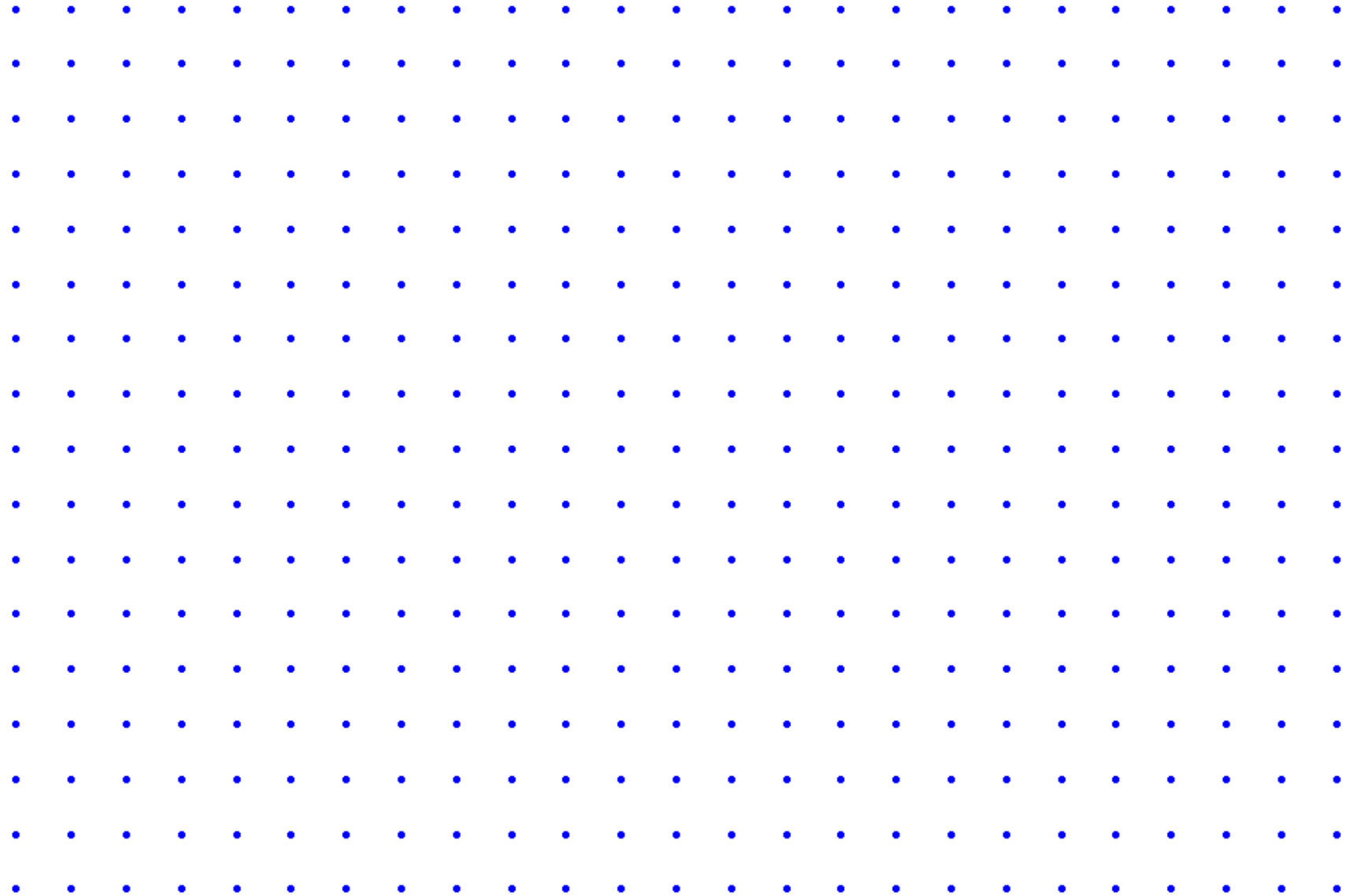


How can we show $\frac{2}{5}$?



Set objects do not need to be equal in size. For example, the square is not $1/7$ of the area but it is $1/7$ of the set of tangram pieces.

Geoboards

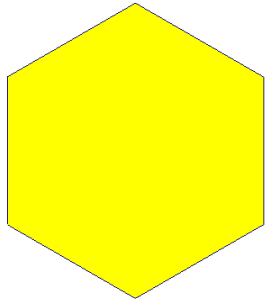
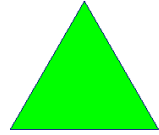
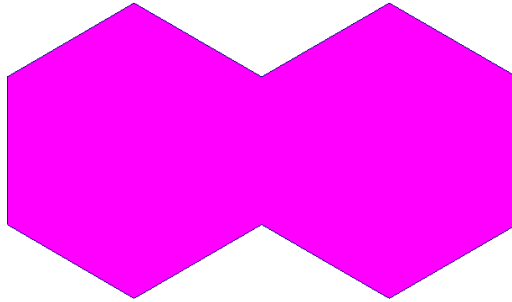
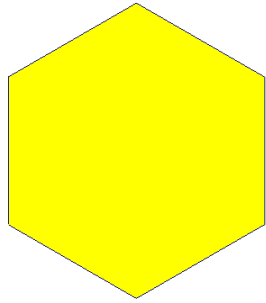
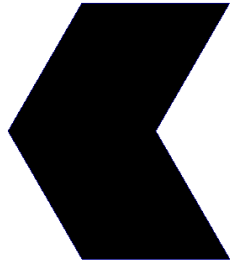


How can we show $3/4$?

$$\frac{1}{4}$$

2/3

$$1\frac{1}{2}$$

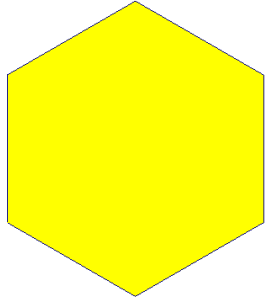
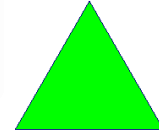
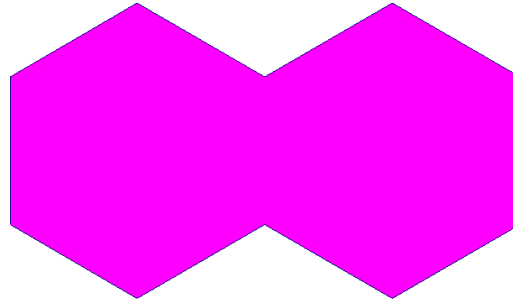
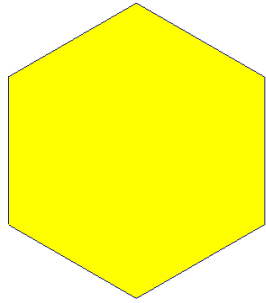
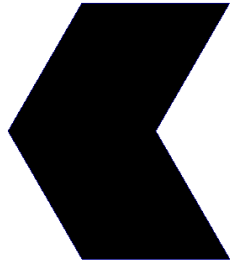


=1

$$\frac{8}{3}$$

$$\frac{9}{2}$$

$$\frac{13}{6}$$



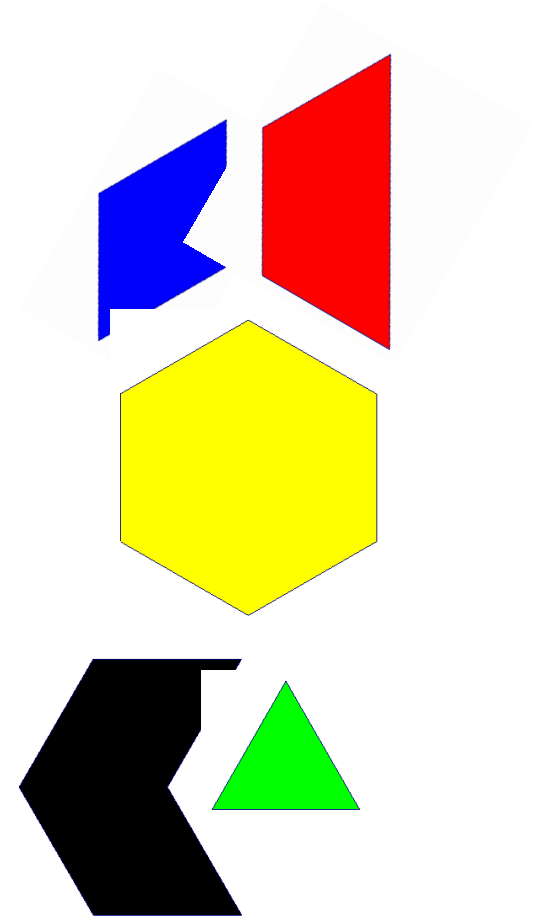
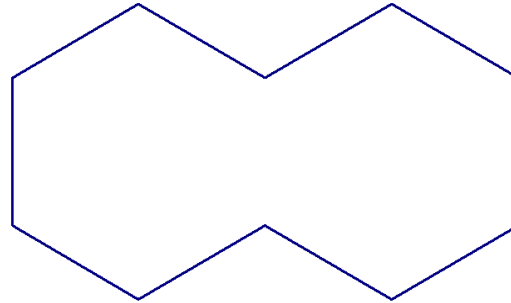
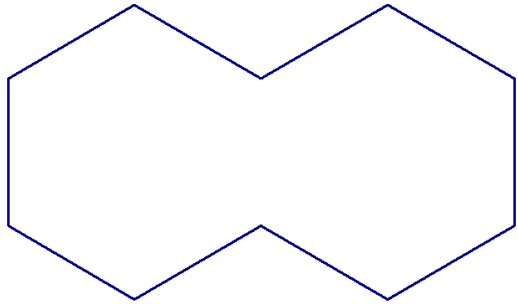
=1

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

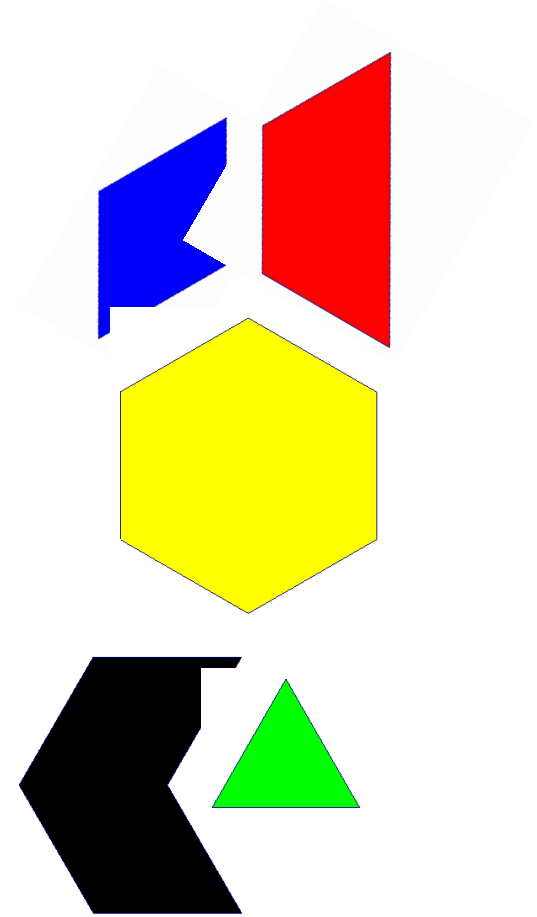
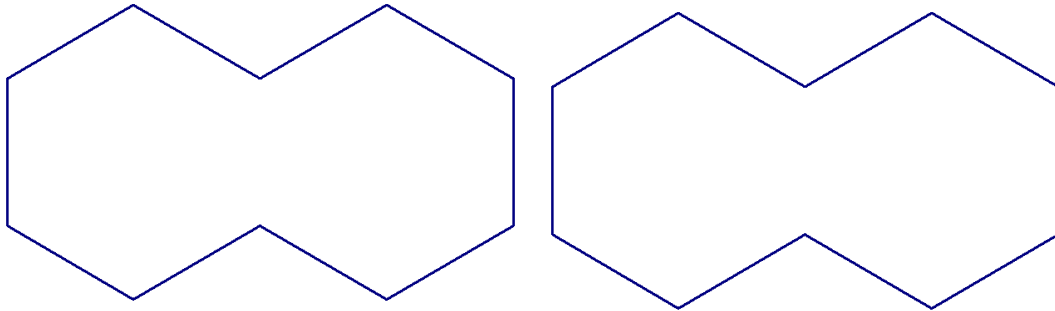
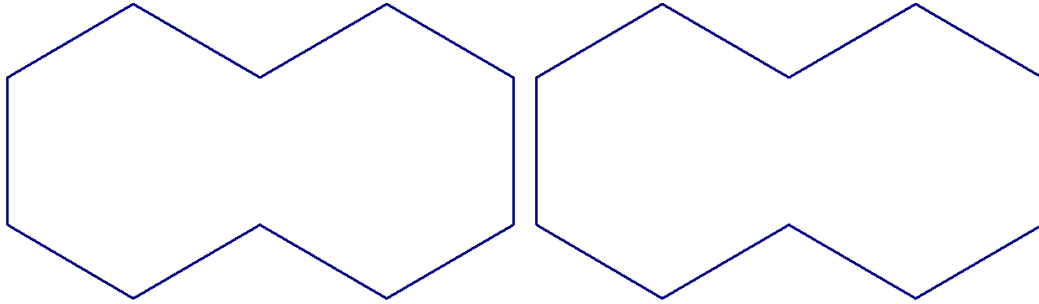
$$2\frac{3}{4}$$

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

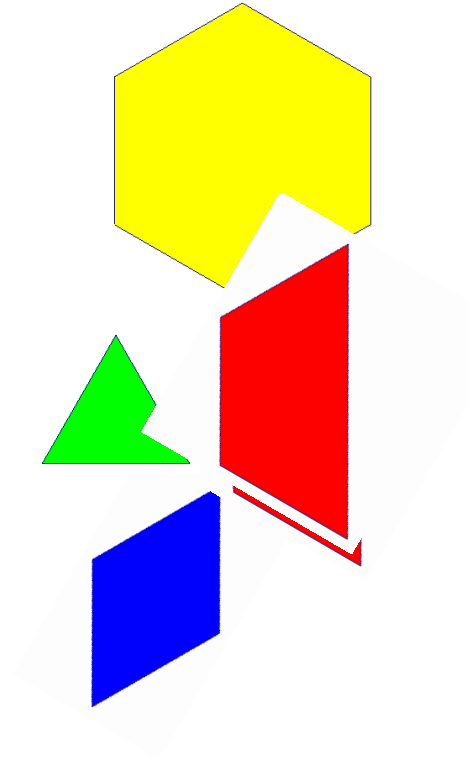
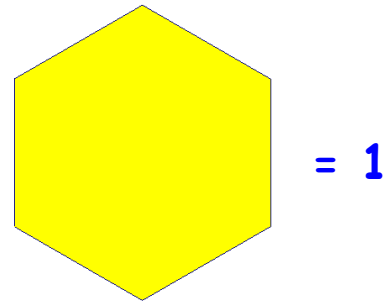
$$\frac{1}{4} + \frac{2}{4}$$



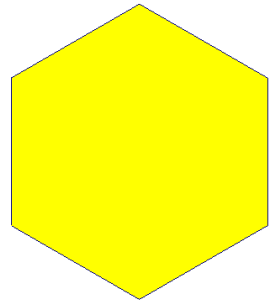
$$\frac{1}{2} + \frac{1}{3}$$



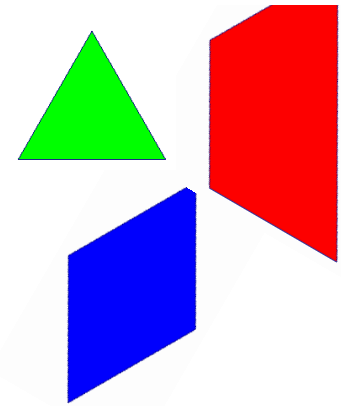
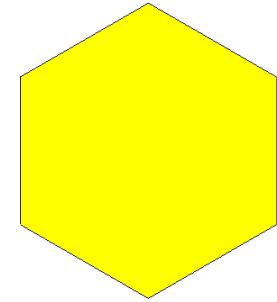
$$\frac{2}{3} - \frac{1}{3}$$

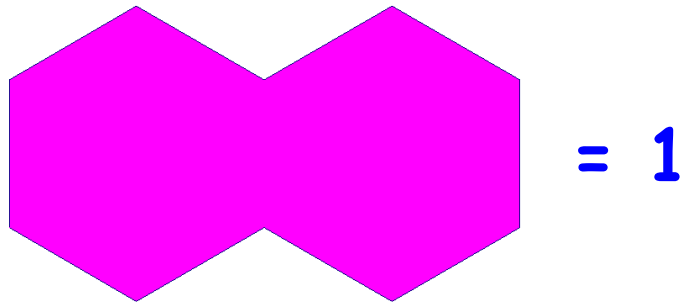


$$\frac{1}{2} - \frac{1}{6}$$

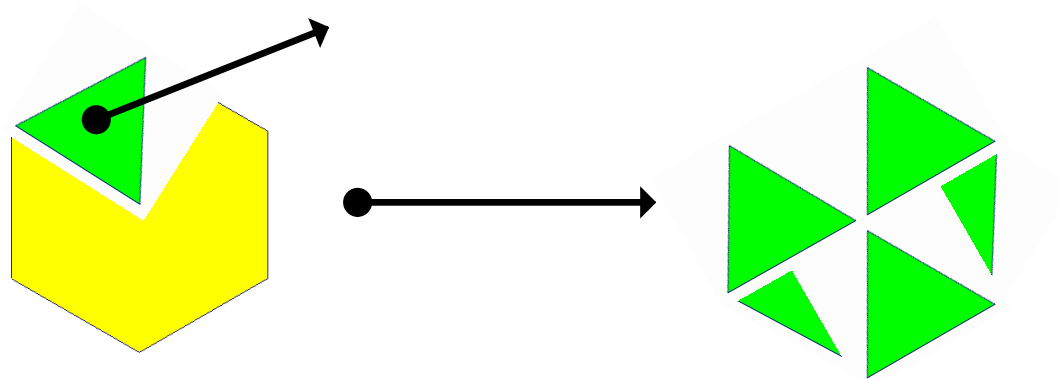


= 1





Explain the model symbolically and in words.



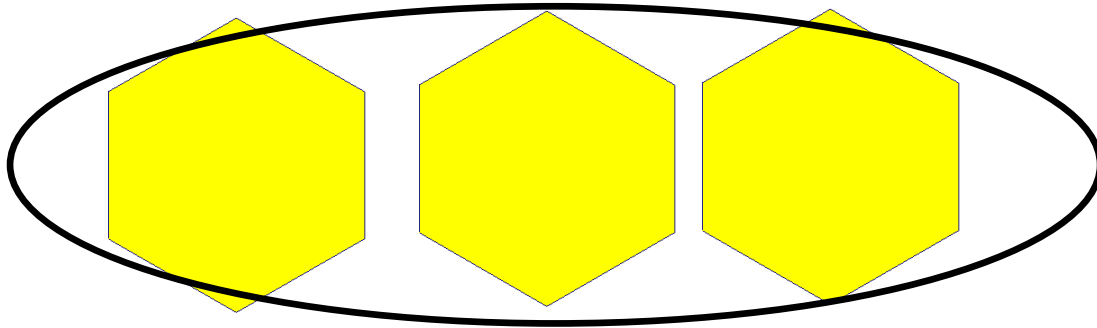
Use Models and Draw pictures to show the following:

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

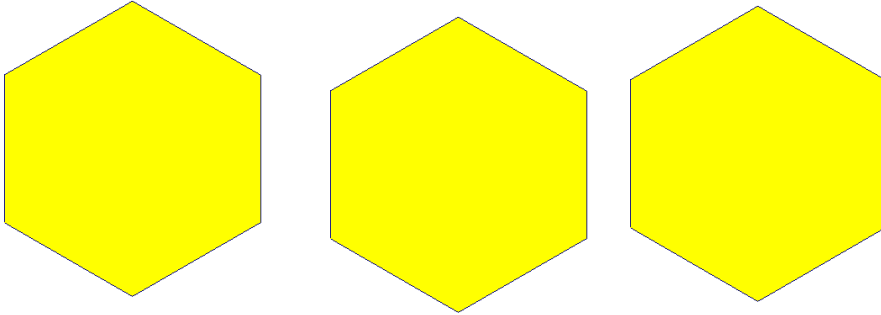
$$\frac{5}{6} + \frac{1}{4}$$

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

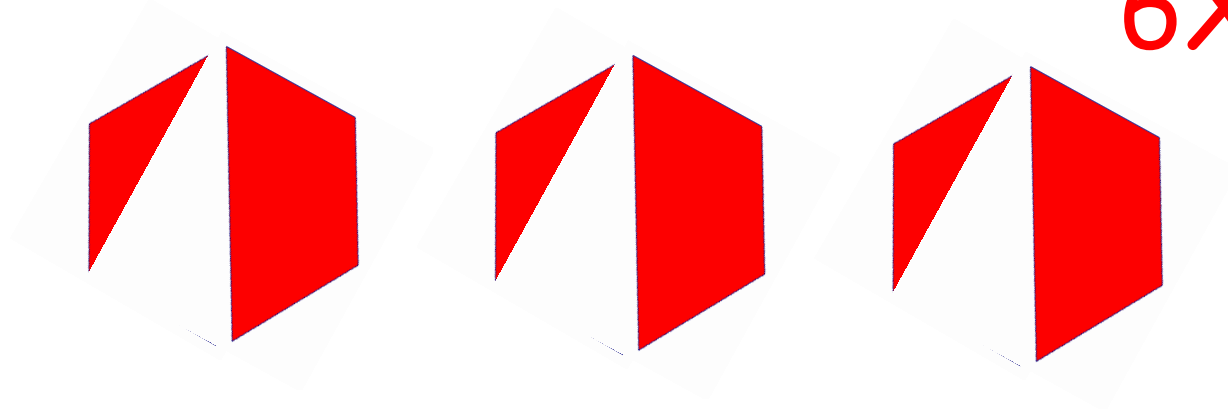
$$\frac{7}{8} - \frac{1}{4}$$



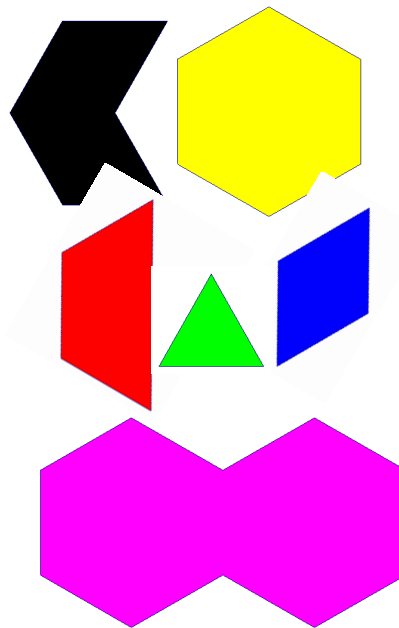
$$\frac{1}{2} \times 6$$



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



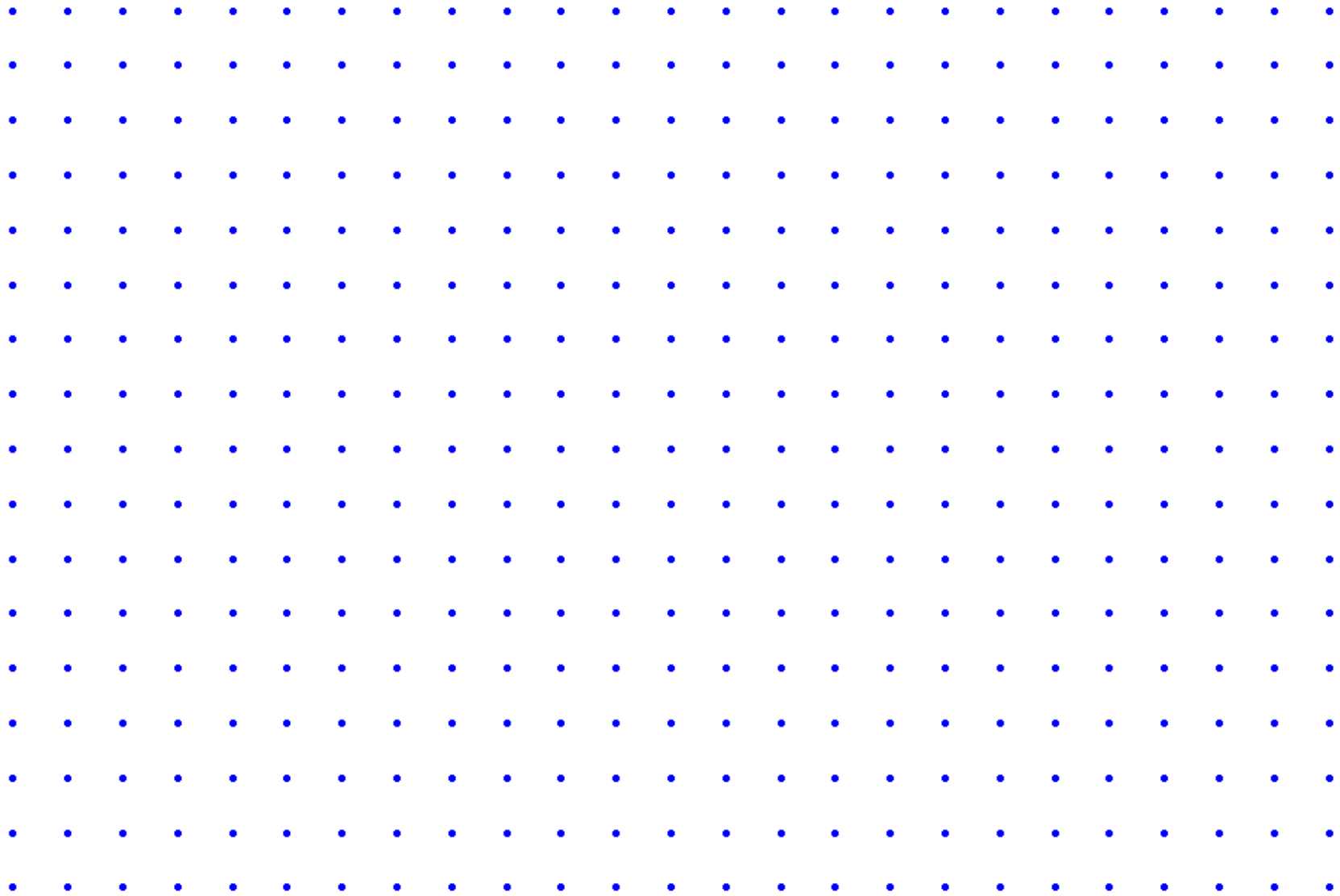
$$\frac{1}{2} \times \frac{2}{3}$$



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

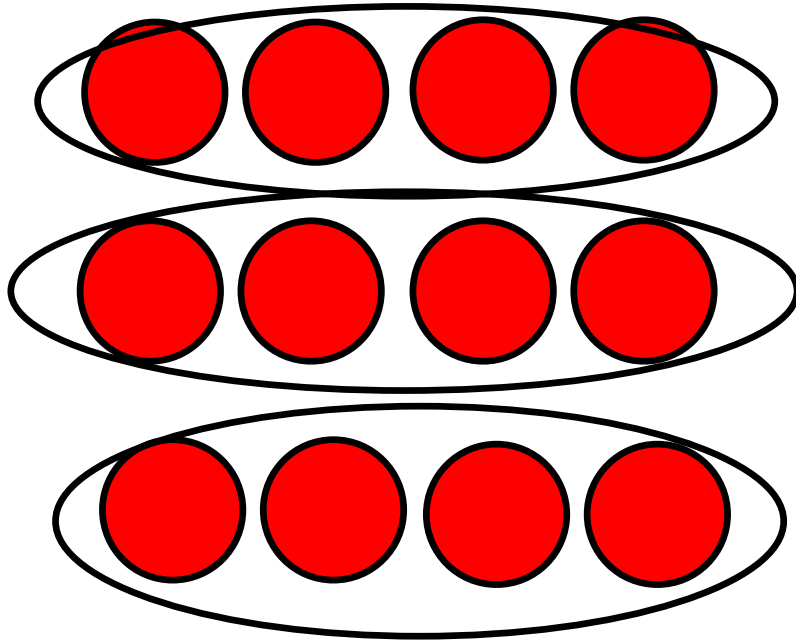
$$\frac{1}{3} \times \frac{5}{6}$$

$$\frac{5}{6} \times \frac{1}{3}$$



$$12 \div 4$$

How many sets of
4 are in 12?



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

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

$$5 \div \frac{2}{3}$$

How many sets of two-thirds are in five?

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

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