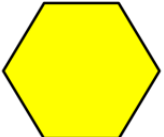
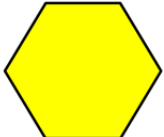
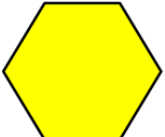
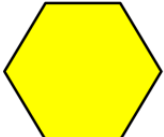
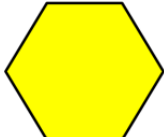


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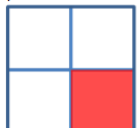
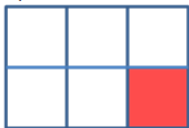
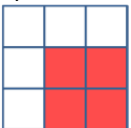



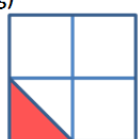
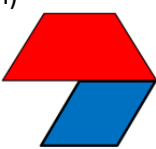
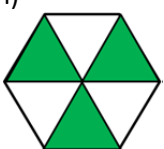
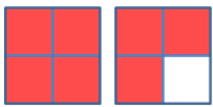
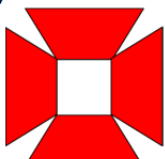

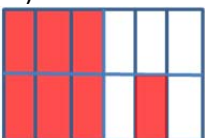
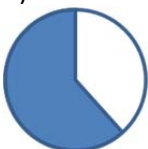
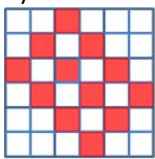
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Math 8 Section 2.1 Multiplying Fractions with Manipulatives:



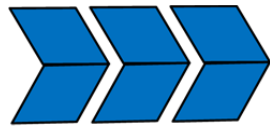
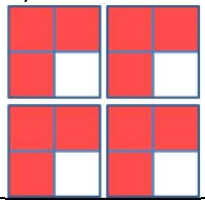
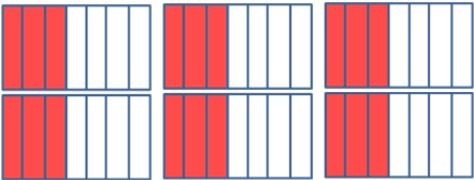
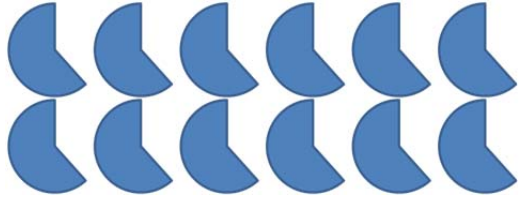
1. Given that one hexagon is equal to one unit, shade in each of the following fractions:

a) $\frac{1}{6}$	b) $\frac{1}{3}$	c) $\frac{1}{2}$	d) $\frac{2}{3}$	e) $\frac{5}{6}$
				

2. Indicate the fraction represented by each of the shaded areas. Reduce the fraction to lowest terms:

a) 	b) 	c) 	d) 	e) 
f) 	g) 	h) 	i) 	j) 
k) 	l) 	m) 	n) 	o) 

3. Given each of the diagram, write the multiplication statement and then draw the answer with the space given:

<p>a) </p>	<p>b) </p>
<p>c) </p>	<p>d) </p>
<p>e) </p>	<p>f) </p>

4. Determine the product for each of the following. Simplify your answer:

a) $6 \times \frac{2}{3}$	b) $8 \times \frac{3}{4}$	c) $15 \times \frac{3}{5}$	d) $27 \times \frac{8}{9}$
e) $4 \times \frac{11}{3}$	f) $9 \times \frac{4}{12}$	g) $10 \times \frac{3}{24}$	h) $10 \times \frac{8}{5} \times \frac{4}{9}$
i) $100 \times \frac{9}{25} \times \frac{15}{18}$	j) $23 \times \frac{22}{44} \times \frac{12}{46}$	k) $\frac{18}{3} \times \frac{2}{3} \times \frac{12}{9} \times \frac{8}{24}$	l) $16 \times \frac{22}{12} \times \frac{27}{25} \times \frac{15}{18}$

5. Johnny bought six chicken pot pies from Costco. He only ate $\frac{3}{5}$ of each pie because he shared every one of them with his girlfriend. How many chicken pot pies did he eat in total?

6. Sandy has \$3000 in her bank account. $\frac{5}{6}$ of the money is for tuition. How much money will she have left after paying her tuition?

7. There are 60 students in Mr. Lee's class. $\frac{1}{5}$ of the students black hair, $\frac{1}{3}$ have blonde, and the rest have brown hair. How many students have brown hair?

8. Challenge: Amy, Betty, and Graham ran for Student Council president. Amy won with $\frac{9}{20}$ of the votes, Betty got $\frac{2}{5}$, and Graham got $\frac{3}{20}$. If 20 people had switched their vote from Graham to Betty, then Betty would have ended up with 1 more vote than Amy. How many people voted?