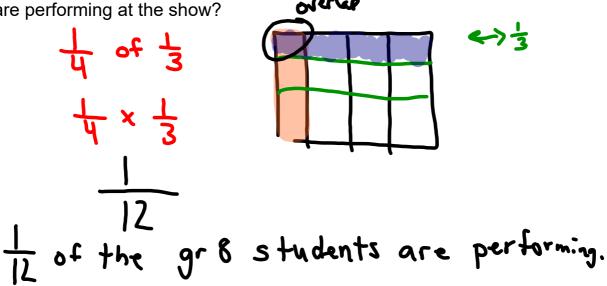


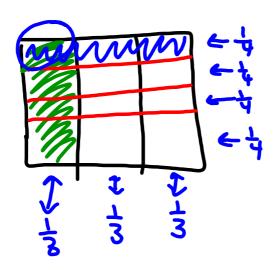
Warm Up Grade 8 Feb. 22, 2021

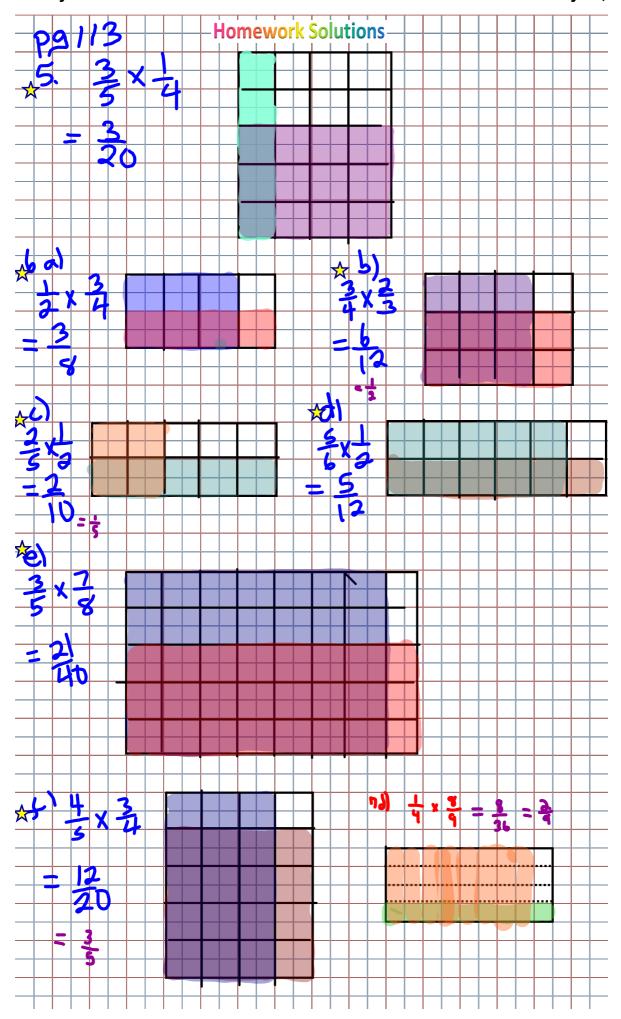
Quiz Thursday

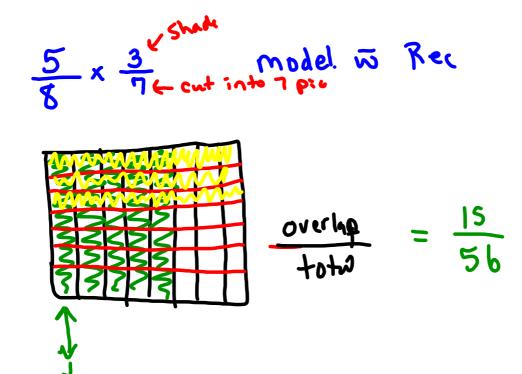
Use grid paper and model

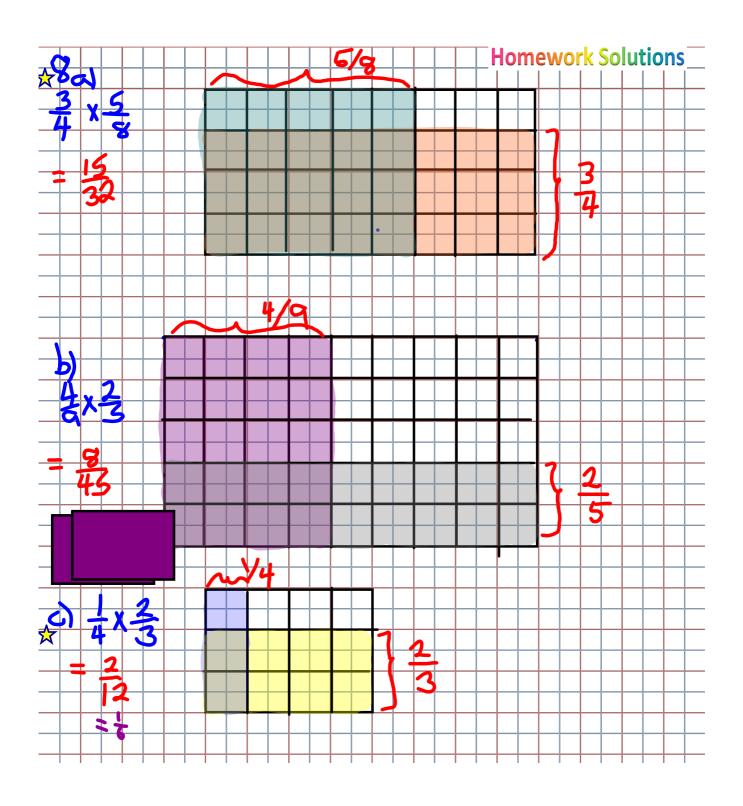
1) One-third of the grade 8 students tried out for a talent show. One-quarter of these students were successful. What fraction of the grade 8 students are performing at the show?

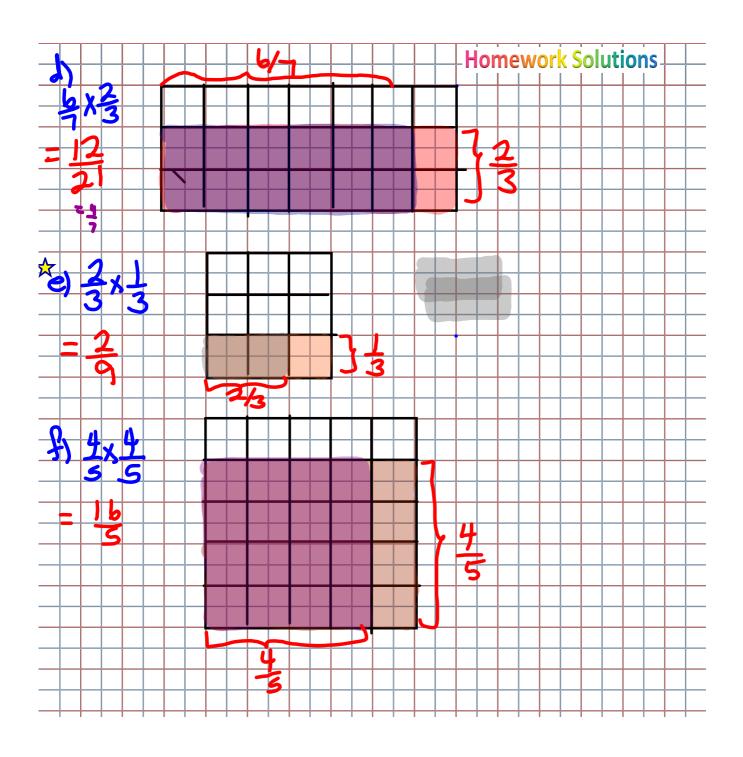












Multiplying Fractions

When you are multiplying fractions, you simply multiply the numerators and multiply the denominators. (Always Reduce)

Either before or after

Ex.
$$\frac{2}{9} \times \frac{7}{11} = \frac{2 \times 7}{9 \times 11} = \frac{14}{99}$$
 b) $\frac{8}{15} \times \frac{3}{4} = \frac{24}{60} \div \frac{12}{2} \div \frac{12}{30} \div \frac{1}{12} = \frac{16}{15} \div \frac{13}{2} = \frac{2}{30} \div \frac{1}{12} = \frac{2$

$$\frac{2}{5} \times \frac{1}{1}$$

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

Multiplying Mixed Fractions

-ALWAYS Change to IMPROPER first

When you multiply mixed numbers, change them to improper fractions first, then multiply the numerators and multiply the denominators.

a)
$$1\frac{4}{7} \times 2\frac{1}{6}$$

b) $3\frac{3}{5} \times 4\frac{5}{8}$

= $\frac{11}{7} \times \frac{13}{6}$

= $\frac{143}{42}$ Stop here

= $3\frac{17}{42}$ Stop here

= $3\frac{17}{5} \times \frac{37}{8}$

= $\frac{18}{5} \times \frac{37}{4}$

= $\frac{18}{5} \times \frac{37}{4}$

= $\frac{333}{20}$

= $\frac{16\frac{13}{20}}{20}$

Class/Homework

Quiz Thursday

Page 113 # 13 (Model and answer)

Page 118 #6, #7, #8, #9, #422

1) Model with rectangle a fraction x fraction

2) Multiply and reduce fraction x fraction with rules (a,b,c)

(Don't estimate or model just multiply and reduce)