

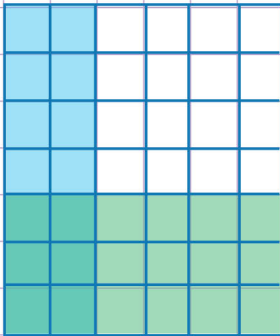
Name: Class:



Multiply two fractions using models: fill in the missing factor

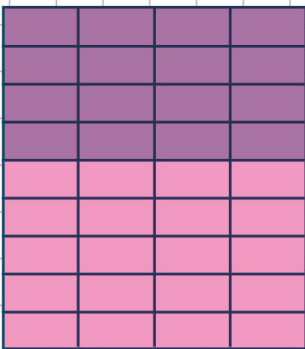
Use the models below to find the missing factors.

a.



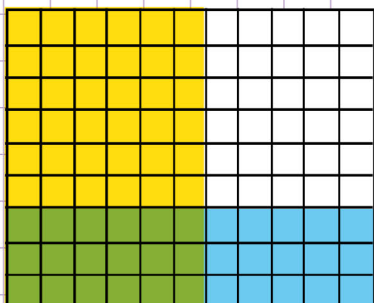
$$\frac{2}{6} \times \frac{\boxed{}}{\boxed{}} = \frac{6}{42}$$

b.



$$\frac{\boxed{}}{\boxed{}} \times \frac{4}{9} = \frac{16}{36}$$

c.



$$\frac{6}{\boxed{}} \times \frac{\boxed{}}{\boxed{}} = \frac{18}{99}$$



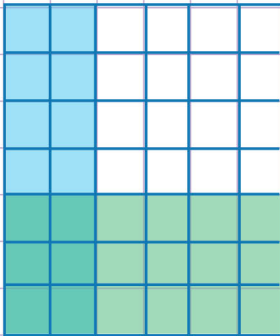
Name: Class:



Multiply two fractions using models: fill in the missing factor

Use the models below to find the missing factors.

a.



$$\frac{2}{6} \times \frac{\boxed{}}{\boxed{}} = \frac{6}{42}$$

The model has 6 columns. 2 out of these 6 columns are shaded in blue.

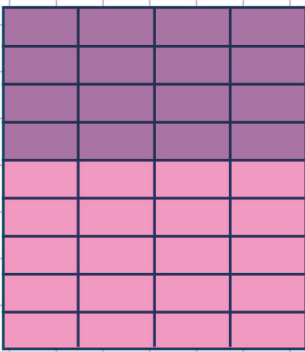
These blue columns represents the given fraction $\frac{2}{6}$

Also, the model has 7 rows. 3 out of these 7 rows are shaded in green.

These green rows represents the missing fraction $\frac{3}{7}$

Therefore, the complete expression is $\frac{2}{6} \times \frac{\boxed{3}}{\boxed{7}} = \frac{6}{42}$

b.



$$\frac{\boxed{}}{\boxed{}} \times \frac{4}{9} = \frac{16}{36}$$

The model has 4 columns. 4 out of these 4 columns are shaded in grey.

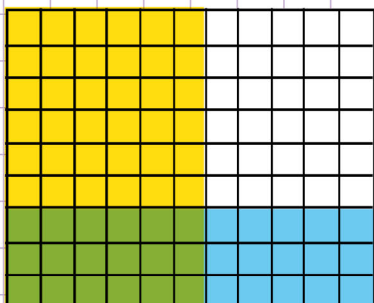
These grey columns represents the missing fraction $\frac{4}{4}$

Also, the model has 9 rows. 4 out of these 9 rows are shaded in orange.

These orange rows represents the missing given fraction $\frac{4}{9}$

Therefore, the complete expression is $\frac{\boxed{4}}{\boxed{4}} \times \frac{4}{9} = \frac{16}{36}$

c.



$$\frac{6}{\boxed{}} \times \frac{\boxed{}}{\boxed{}} = \frac{18}{99}$$

The model has 11 columns. 6 out of these 11 columns are shaded in yellow

These yellow columns represents the fraction $\frac{6}{11}$ (11 is the missing number)

Also, the model has 9 rows. 3 out of these 9 rows are shaded in purple

These purple rows represents the missing fraction $\frac{3}{9}$

Therefore, the complete expression is $\frac{6}{11} \times \frac{3}{9} = \frac{18}{99}$

