

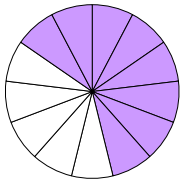
Multiply Unit Fractions by an Integer

1. Match the calculations to the images and complete the answers.

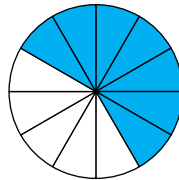
A. $\frac{1}{11} \times 9$

B. $\frac{1}{13} \times 8$

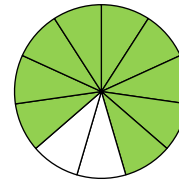
C. $\frac{1}{12} \times 7$



=
=



=
=



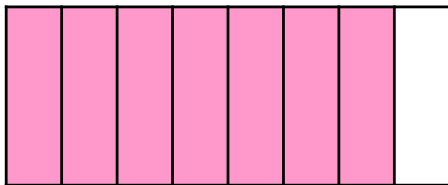
=
=



VF
HW/Ext

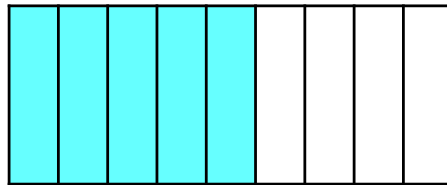
2. Tick the correct calculation(s).

A.



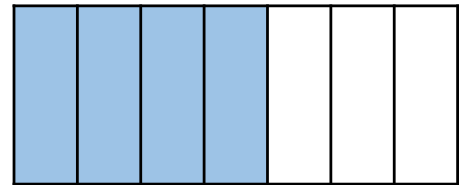
$\frac{1}{8} \times 7 = \frac{7}{8}$

B.



$\frac{1}{9} \times 5 = \frac{5}{9}$

C.



$\frac{1}{7} \times 4 = \frac{4}{28}$



VF
HW/Ext

3. Moff and Nadia are multiplying unit fractions by a whole number.

Moff says,



If I multiply $\frac{1}{5}$ by 3 then my answer will equal $\frac{3}{5}$.

Nadia says,



If I multiply $\frac{1}{5}$ by 3 then my answer will equal $\frac{3}{15}$.



Who is correct? Explain your answer.



RPS
HW/Ext

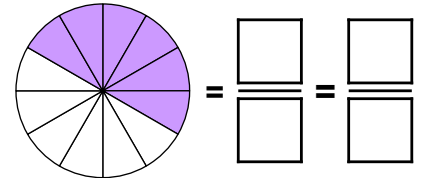
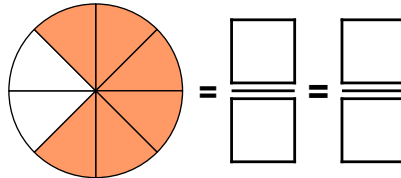
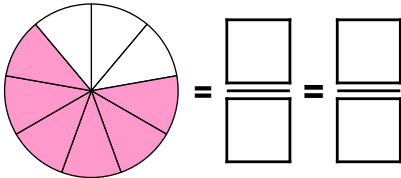
Multiply Unit Fractions by an Integer

4. Match the calculations to the images and complete the answers.

A. $\frac{1}{8} \times 6$

B. $\frac{1}{12} \times 6$

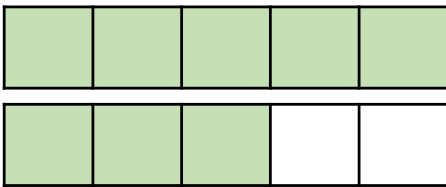
C. $\frac{1}{9} \times 6$



VF
HW/Ext

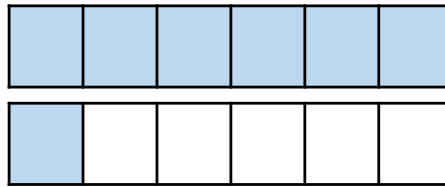
5. Tick the correct calculation(s).

A.



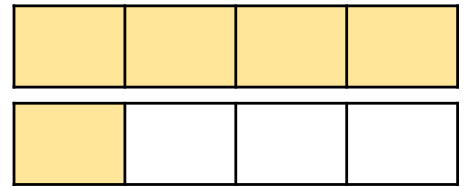
$$\frac{1}{5} \times 8 = 1 \frac{3}{40}$$

B.



$$\frac{1}{6} \times 7 = 1 \frac{7}{6}$$

C.



$$\frac{1}{4} \times 5 = 1 \frac{1}{4}$$



VF
HW/Ext

6. Simon and Debbie are multiplying unit fractions by a whole number.

Simon says,



If I multiply $\frac{1}{7}$ by 9 then my answer will equal $1 \frac{1}{7}$.

Debbie says,



If I multiply $\frac{1}{7}$ by 9 then my answer will equal $1 \frac{2}{7}$.

Who is correct? Explain your answer.

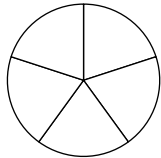
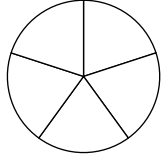


RPS
HW/Ext

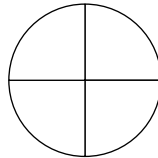
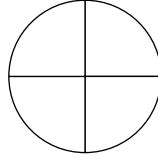
Multiply Unit Fractions by an Integer

7. Solve the calculations and complete the images.

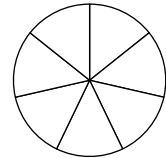
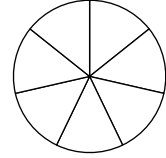
A. $\frac{1}{5} \times 7 =$



B. $\frac{1}{4} \times 5 =$



C. $\frac{1}{7} \times 9 =$



VF
HW/Ext

8. Tick the correct calculation(s).

A.

B.

C.

$\frac{1}{4} \times 8 = 1 \frac{1}{32}$

$\frac{1}{4} \times 6 = 1 \frac{1}{2}$

$\frac{1}{6} \times 8 = 1 \frac{1}{3}$



VF
HW/Ext

9. Jonny and Liz are multiplying unit fractions by a whole number.

Jonny says,



If I multiply $\frac{1}{6}$ by 9 then my answer will equal $1 \frac{1}{2}$.

Liz says,



If I multiply $\frac{1}{6}$ by 9 then my answer will equal $1 \frac{1}{3}$.

Who is correct? Explain your answer.



RPS
HW/Ext

Homework/Extension

Multiply Unit Fractions by an Integer

Developing

1. A. $\frac{9}{11}$; B. $\frac{8}{13}$; C. $\frac{7}{12}$

2. A and B

3. Moff is correct because $1 \times 3 = 3$, so the fraction would be $\frac{3}{5}$. Nadia has multiplied the denominator as well as the numerator and this is incorrect.

Expected

4. A. $\frac{6}{8} = \frac{3}{4}$; B. $\frac{6}{12} = \frac{1}{2}$; C. $\frac{6}{9} = \frac{2}{3}$

5. C

6. Debbie is correct because $1 \times 9 = 9$, so the fraction would be $\frac{9}{7}$ which is equivalent to $1\frac{2}{7}$.

Greater Depth

7. A. $1\frac{2}{5}$; B. $1\frac{1}{4}$; C. $1\frac{2}{7}$

8. B and C

9. Johnny is correct because $1 \times 9 = 9$ and $\frac{9}{6}$ is equivalent to $1\frac{3}{6}$ which is also equivalent to $1\frac{1}{2}$. Liz has simplified her answer incorrectly.