

6.1

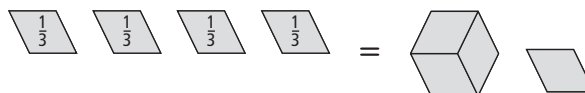
Multiplying a Fraction and a Whole Number*MathLinks 8, pages 198–203***Key Ideas Review**

For #1 and #2, unscramble the letters to form a word that correctly completes the statement. Then, complete the examples.

1. Manipulatives and diagrams can be used to model a _____ statement.

ACIILLMNOPPTTU

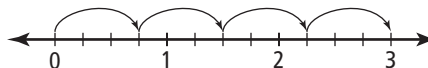
a) $4 \times \frac{1}{\boxed{}} = 1 \frac{1}{\boxed{}}$



b) $3 \times \frac{1}{\boxed{}} = 1 \frac{1}{\boxed{}}$



c) $4 \times \frac{\boxed{}}{4} = \frac{\boxed{}}{4} = \boxed{}$



2. Multiplying a _____ and a whole number in _____

ACFINORT

_____ order gives the same result.

EEHIRT

$6 \times \frac{2}{3} = 4$

$\frac{\boxed{}}{\boxed{}} \times 6 = 4$

Practise and Apply

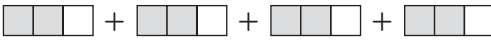
3. Write the multiplication statement that each diagram represents. A  represents one whole.

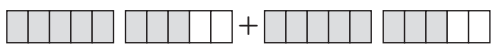
a)  = 
= 

b)  = 

c)  = 

4. Write the multiplication statement represented by each diagram.

a)  +  +  + 
= 

b)  + 
= 

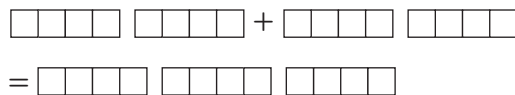


5. Shade each set of diagrams to determine the product.

a) $3 \times \frac{2}{5}$

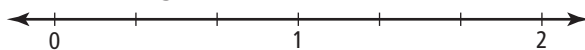


b) $2 \times \frac{5}{4}$

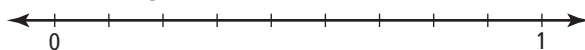


6. Complete each number line to determine the product.

a) $6 \times \frac{1}{3}$



b) $8 \times \frac{1}{9}$



7. Determine each product. Show your thinking.

a) $3 \times \frac{1}{4}$

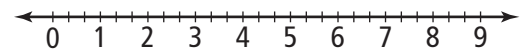
b) $5 \times \frac{1}{8}$

c) $4 \times \frac{1}{2}$

d) $3 \times \frac{5}{3}$

e) $2 \times \frac{3}{4}$

8. In the her first week on the job, Trindis worked 9 hours. In the second week she worked $\frac{2}{3}$ of that amount. Complete the number line to determine how many hours Trindis worked in the second week.



9. Marik had 11 friends at his birthday party. Each person ate $\frac{1}{4}$ of a pizza. How many pizza's did Marik and his friends eat? Write a multiplication statement to answer the question, then find the product.

10. Jeremy ran around a 150-m track $1\frac{1}{2}$ times. Show two different methods of finding the product of $1\frac{1}{2} \times 150$. How far did Jeremy run?