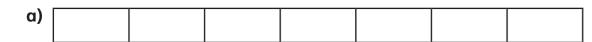
Multiply non-unit fractions by an integer



Complete the calculations.

Use the bar models to help you.



$$\frac{2}{7} + \frac{2}{7} + \frac{2}{7} =$$

$$3 \times \frac{2}{7} =$$

$$\frac{3}{10} + \frac{3}{10} + \frac{3}{10} =$$

$$3 \times \frac{3}{10} =$$

c) _____

$$\frac{2}{9} + \frac{2}{9} + \frac{2}{9} + \frac{2}{9} =$$

$$4 \times \frac{2}{9} =$$

d) _____

$$\frac{4}{9} + \frac{4}{9} =$$

$$2 \times \frac{4}{9} =$$

What do you notice about parts c) and d)? Talk to a partner.



Complete the multiplications.

a)
$$2 \times \frac{3}{7} =$$

d)
$$5 \times \frac{2}{11} =$$

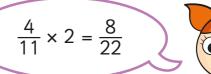
b)
$$3 \times \frac{3}{11} =$$

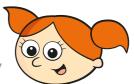
e)
$$\frac{2}{15} \times 7 =$$

c)
$$\frac{2}{11} \times 4 =$$

f)
$$\frac{7}{15} \times 2 =$$







Explain the mistake that Alex has made.

A cat eats $\frac{2}{15}$ of a bag of biscuits a day.

What fraction of the bag does the cat eat in 4 days?



The cat eats

of the bag in 4 days.

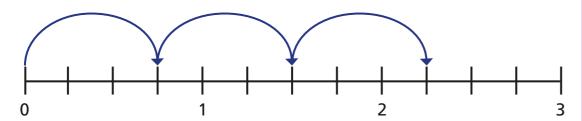
5

Complete the multiplications.

Use the number lines to help you.

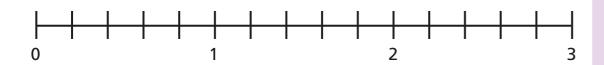
Give each answer as an improper fraction and as a mixed number.

a)

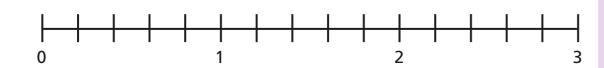


$$3 \times \frac{3}{4} = \boxed{}$$

b)



c)





6 Complete the multiplications.

b)
$$4 \times \frac{4}{5} = \boxed{}$$

d)
$$4 \times \frac{7}{9} = \boxed{}$$

e)
$$17 \times \frac{2}{11} = \boxed{}$$

- f) Describe the pattern you can see in the answers.
- g) What could the next multiplication in the pattern be?Write two possible options.

7 Here are some digit cards.



3

5

7

Use the digit cards to complete the multiplication.

$$\times \frac{ }{8} = \frac{15}{8} = \boxed{ }$$



