## Multiply non-unit fractions by an integer

(1) Complete the calculations.

Use the bar models to help you.
a) $\square$

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

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

b)


$$
\frac{3}{10}+\frac{3}{10}+\frac{3}{10}=\square \quad 3 \times \frac{3}{10}=\square
$$



$$
\frac{2}{9}+\frac{2}{9}+\frac{2}{9}+\frac{2}{9}=\square \quad 4 \times \frac{2}{9}=\square
$$



2 Complete the multiplications.
a) $2 \times \frac{3}{7}=\square$
d) $5 \times \frac{2}{11}=\square$
b) $3 \times \frac{3}{11}=$
e) $\frac{2}{15} \times 7=\square$
c) $\frac{2}{11} \times 4=\square$
f) $\frac{7}{15} \times 2=\square$
(3)


Explain the mistake that Alex has made.
$\qquad$
$\qquad$
(4) 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?
(5) Complete the multiplications.

Use the number lines to help you.
Give each answer as an improper fraction and as a mixed number.
a)


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

b)


$$
4 \times \frac{3}{5}=\square=\square
$$

c)


$$
3 \times \frac{4}{5}=\square=\square
$$

6 Complete the multiplications
a) $5 \times \frac{2}{3}=\square=\square$
b) $4 \times \frac{4}{5}=\square=\square$
c) $\frac{2}{7} \times 11=\square=\square$
d) $4 \times \frac{7}{9}=\square=$ $\square$
e) $17 \times \frac{2}{11}=\square=\square$
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.


Use the digit cards to complete the multiplication.


