Paddling

1 Complete the calculations.

Use the bar models to help you.

a)

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

b)

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

c)

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

d)

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

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

2 Complete the multiplications.

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

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

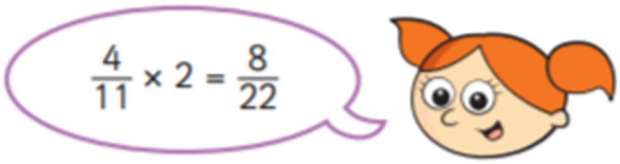
c) $\frac{2}{11} \times 4 = \square$

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

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

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

3



Explain the mistake that Alex has made.

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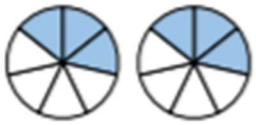
4 A cat eats $\frac{2}{15}$ of a bag of biscuits a day.

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

1a. Match the calculation to the correct answer.

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

A. $\frac{6}{7}$ B. $\frac{6}{14}$ C. $\frac{3}{14}$

VF

1b. Match the calculation to the correct answer.

$\frac{2}{11} \times 3 =$ 

A. $\frac{6}{33}$ B. $\frac{2}{33}$ C. $\frac{6}{11}$

VF

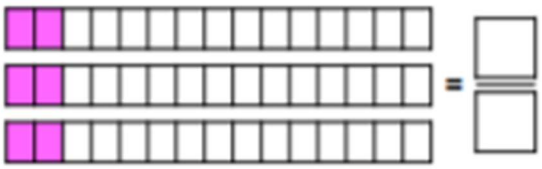
2a. Solve the calculation below.

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

VF

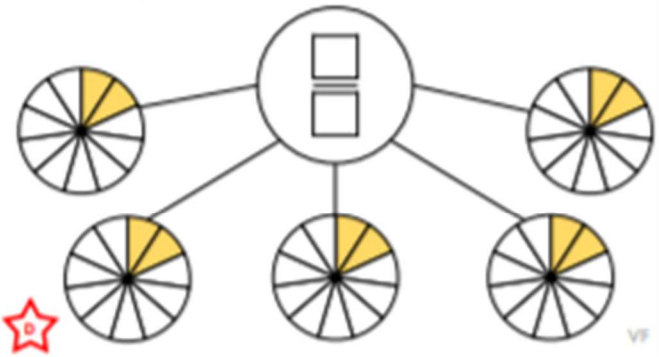
2b. Solve the calculation below.

$\frac{2}{15} \times 3$



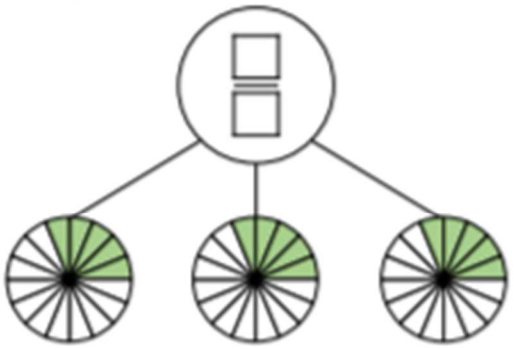
VF

3a. Complete the model below and write the multiplication calculation it shows.



VF

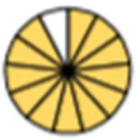
3b. Complete the model below and write the multiplication calculation it shows.



VF

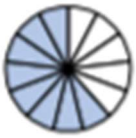
4a. Complete the calculations.

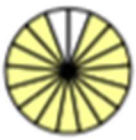
A. $\frac{2}{11} \times \square =$  $=$ $\frac{\square}{\square}$

B. $\frac{2}{13} \times \square =$  $=$ $\frac{\square}{\square}$

VF

4b. Complete the calculations.

A. $\frac{4}{13} \times \square =$  $=$ $\frac{\square}{\square}$

B. $\frac{3}{17} \times \square =$  $=$ $\frac{\square}{\square}$

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