

Answers

Padding

1 Complete the calculations.

Use the bar models to help you.



$$\frac{2}{7} + \frac{2}{7} + \frac{2}{7} = \frac{6}{7}$$

$$3 \times \frac{2}{7} = \frac{6}{7}$$



$$\frac{3}{10} + \frac{3}{10} + \frac{3}{10} = \frac{9}{10}$$

$$3 \times \frac{3}{10} = \frac{9}{10}$$



$$\frac{2}{9} + \frac{2}{9} + \frac{2}{9} + \frac{2}{9} = \frac{8}{9}$$

$$4 \times \frac{2}{9} = \frac{8}{9}$$



$$\frac{4}{9} + \frac{4}{9} = \frac{8}{9}$$

$$2 \times \frac{4}{9} = \frac{8}{9}$$

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

2 Complete the multiplications.

a) $2 \times \frac{3}{7} = \frac{6}{7}$

d) $5 \times \frac{2}{11} = \frac{10}{11}$

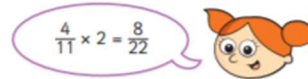
b) $3 \times \frac{3}{11} = \frac{9}{11}$

e) $\frac{2}{15} \times 7 = \frac{14}{15}$

c) $\frac{2}{11} \times 4 = \frac{8}{11}$

f) $\frac{7}{15} \times 2 = \frac{14}{15}$

3



Explain the mistake that Alex has made.

She has multiplied both the numerator and the denominator.
 $\frac{4}{11} \times 2 = \frac{8}{11}$

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?



The cat eats $\frac{8}{15}$ of the bag in 4 days.

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1a. **A**

2a. $\frac{8}{9}$

3a. $\frac{2}{11} \times 5 = \frac{10}{11}$

4a. **A.** $\frac{2}{11} \times 4 = \frac{8}{11}$; **B.** $\frac{2}{13} \times 6 = \frac{12}{13}$

1b. **C**

2b. $\frac{6}{15}$ or may be expressed as $\frac{2}{5}$.

3b. $\frac{5}{16} \times 3 = \frac{15}{16}$

4b. **A.** $\frac{4}{13} \times 2 = \frac{8}{13}$; **B.** $\frac{3}{17} \times 5 = \frac{15}{17}$