

22.2.21

L.O. To multiply fractions

1. Complete the calculations. Use the bar models to help you.



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

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



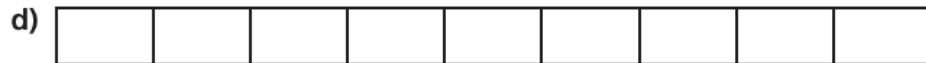
$$\frac{3}{10} + \frac{3}{10} + \frac{3}{10} = \boxed{}$$

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



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

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



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

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

2. Complete the calculations. You can draw your own bar models if you prefer.

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

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

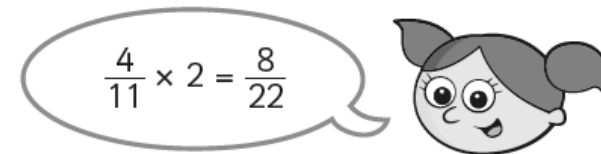
b) $3 \times \frac{3}{11} = \boxed{}$

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

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

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

3.



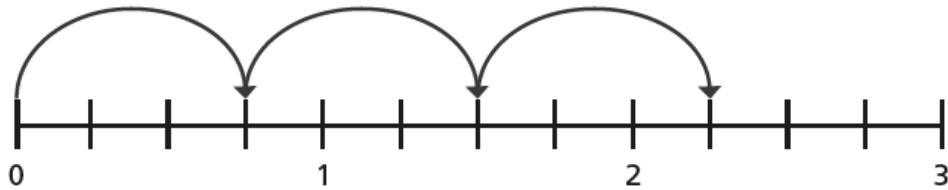
Explain the mistake that Alex has made.

4. Complete the multiplications.

Use the number lines to help you.

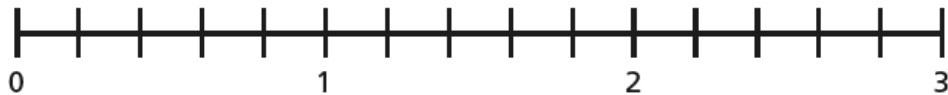
Give each answer as an improper fraction and as a mixed number.

a)



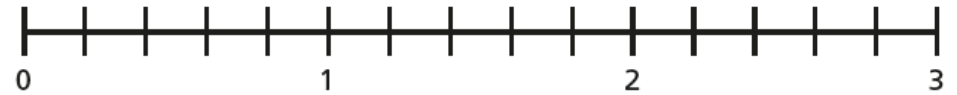
$$3 \times \frac{3}{4} = \boxed{} = \boxed{}$$

b)



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

c)



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