Multiply mixed numbers by integers
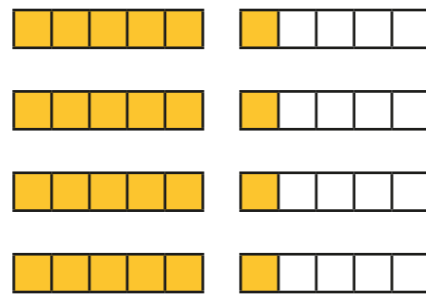
1 Complete the calculations.

a) $4 \times 1\frac{1}{5}$

$4 \times 1 = \boxed{}$

$4 \times \frac{1}{5} = \boxed{}$

$\boxed{} + \boxed{} = \boxed{}$

b) $4 \times 2\frac{1}{5}$

$\boxed{} \times 2 = \boxed{}$

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

$\boxed{} + \boxed{} = \boxed{}$
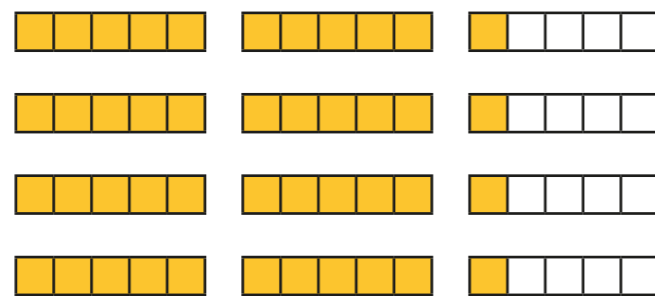
c) $4 \times 2\frac{2}{5}$

$\boxed{} \times \boxed{} = \boxed{}$

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

$\boxed{} + \boxed{} = \boxed{}$
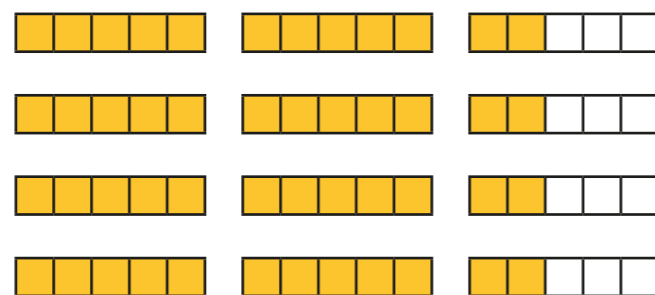
d) $4 \times 2\frac{2}{3}$

$\boxed{} \times \boxed{} = \boxed{}$

$\boxed{} \times \boxed{} = \boxed{} = \boxed{}$

$\boxed{} + \boxed{} = \boxed{}$
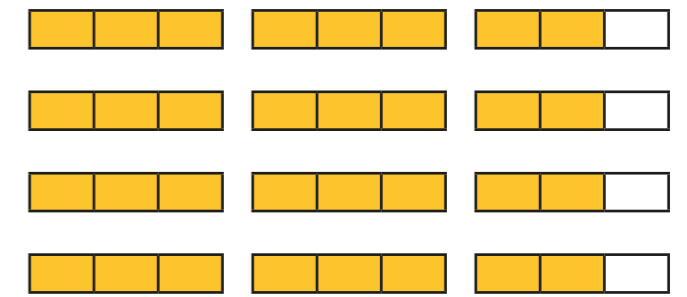
2 Complete the multiplications.

a) $3 \times 8\frac{2}{7} = \boxed{}$

b) $2 \times 12\frac{2}{11} = \boxed{}$

c) $6\frac{2}{11} \times 4 = \boxed{}$

d) $4 \times 6\frac{3}{19} = \boxed{}$

e) $2\frac{2}{25} \times 12 = \boxed{}$

f) $3\frac{1}{15} \times 8 = \boxed{}$

What is the same and what is different about your answers?

_____

_____

3 One bag of potatoes weighs $1\frac{3}{4}$ kg.

How much do 5 bags of potatoes weigh?

$\boxed{}$ kg

4 Complete the calculations.

a) $5 \times 2\frac{2}{3} = 10 + \frac{10}{3} = \boxed{}$

b) $4\frac{3}{7} \times 5 = 20 + \boxed{} = \boxed{}$

c) $8 \times 2\frac{5}{12} = \boxed{} + \boxed{} = \boxed{}$

d) $7 \times 3\frac{1}{5} = \boxed{} + \boxed{} = \boxed{}$

e) $4\frac{2}{9} \times 8 = \boxed{} + \boxed{} = \boxed{}$

f) $11 \times 4\frac{3}{10} = \boxed{} + \boxed{} = \boxed{}$

5

$5 \times 3\frac{2}{11}$ is equal to $3 \times 5\frac{2}{11}$

Do you agree with Ron? _____

Explain why.

_____

_____

6 Eva drinks $3\frac{1}{3}$ litres of water a day.

How many litres of water does she drink in a week?

$\boxed{}$ l

7 Here is a recipe for a birthday cake.

Flour

Butter $1\frac{3}{8}$ kg

Sugar $1\frac{5}{16}$ kg

Self-raising flour $2\frac{1}{4}$ kg

6 eggs
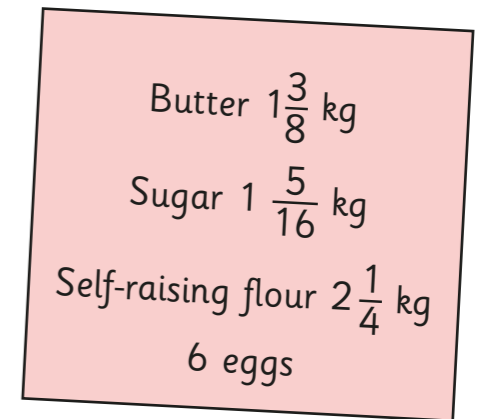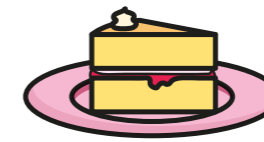
a) How much flour is needed for 3 birthday cakes?

$\boxed{}$ kg

b) Dora makes 4 birthday cakes.

How much more butter does she use than sugar?

$\boxed{}$ kg