

Multiply mixed numbers by integers

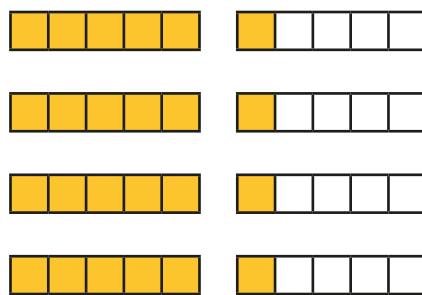
1 Complete the calculations.

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

$4 \times 1 = \square$

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

$\square + \square = \square$

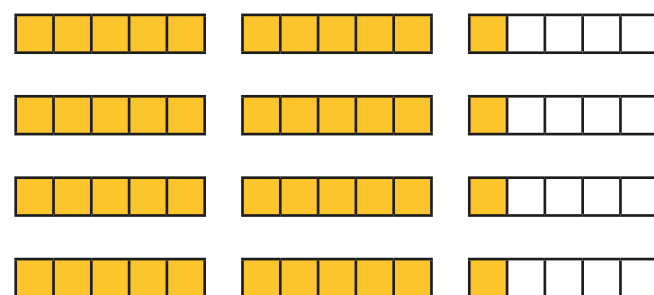


b) $4 \times 2\frac{1}{5}$

$\square \times 2 = \square$

$4 \times \square = \square$

$\square + \square = \square$

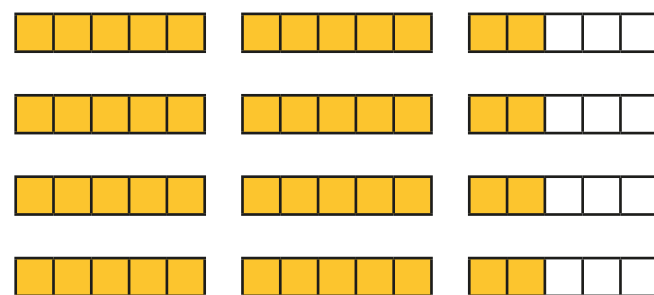


c) $4 \times 2\frac{2}{5}$

$\square \times \square = \square$

$4 \times \square = \square = \square$

$\square + \square = \square$

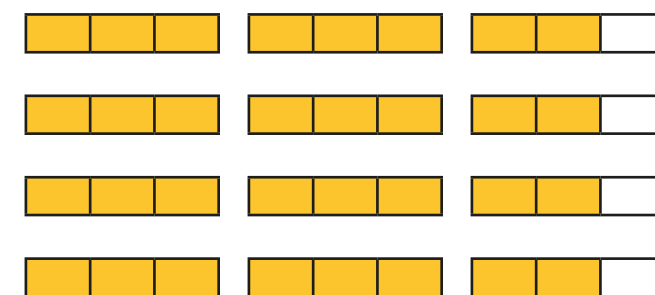


d) $4 \times 2\frac{2}{3}$

$\square \times \square = \square$

$\square \times \square = \square = \square$

$\square + \square = \square$



2 Complete the multiplications.

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

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

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

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

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

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

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?



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

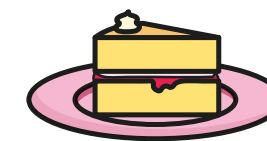
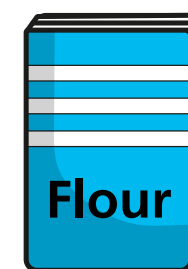
Eva drinks $3\frac{1}{3}$ litres of water a day.

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

l

7

Here is a recipe for a birthday cake.



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?

kg

b) Dora makes 4 birthday cakes.

How much more butter does she use than sugar?

kg