

# Multiply mixed numbers by integers

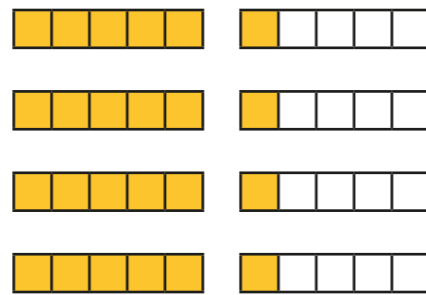
1 Complete the calculations.

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

$4 \times 1 = \square$

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

$\square + \square = \square$

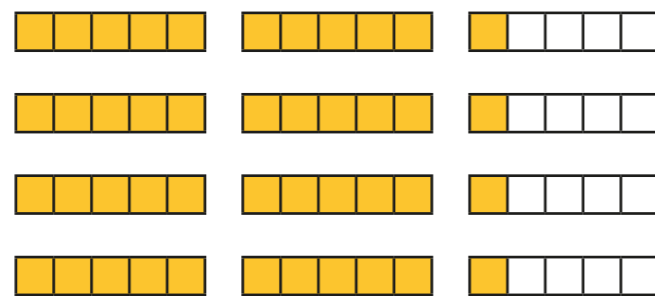


b)  $4 \times 2\frac{1}{5}$

$\square \times 2 = \square$

$4 \times \square = \square$

$\square + \square = \square$

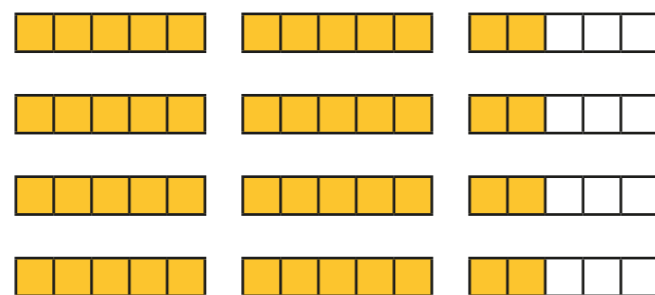


c)  $4 \times 2\frac{2}{5}$

$\square \times \square = \square$

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

$\square + \square = \square$

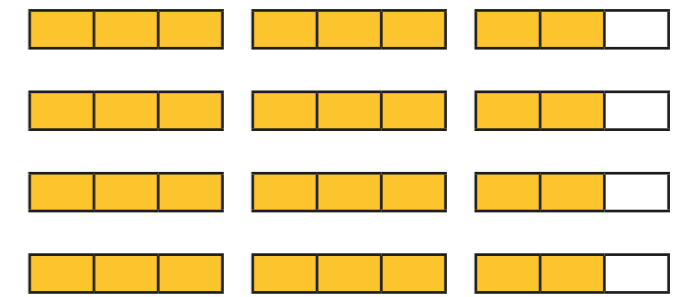


d)  $4 \times 2\frac{2}{3}$

$\square \times \square = \square$

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

$\square + \square = \square$



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?

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

How much do 5 bags of potatoes weigh?



$\square$  kg

4 Complete the calculations.

a)  $5 \times 2\frac{2}{3} = 10 + \frac{10}{3} = 13\frac{1}{3}$

b)  $4\frac{3}{7} \times 5 = 20 + \frac{15}{7} = 22\frac{1}{7}$

c)  $8 \times 2\frac{5}{12} = 16 + \frac{40}{12} = 19\frac{1}{3}$

d)  $7 \times 3\frac{1}{5} = 21 + \frac{7}{5} = 22\frac{2}{5}$

e)  $4\frac{2}{9} \times 8 = 32 + \frac{16}{9} = 33\frac{7}{9}$

f)  $11 \times 4\frac{3}{10} = 44 + \frac{33}{10} = 47\frac{3}{10}$

5

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



Do you agree with Ron? No

Explain why.

$5 \times 3\frac{2}{11} = 15\frac{10}{11}$

$3 \times 5\frac{2}{11} = 15\frac{6}{11}$

6

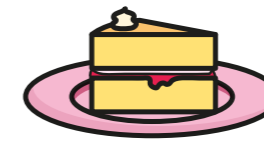
Eva drinks  $3\frac{1}{3}$  litres of water a day.

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

$23\frac{1}{3}$  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?

$6\frac{3}{4}$  kg

b) Dora makes 4 birthday cakes.

How much more butter does she use than sugar?

$\frac{1}{4}$  kg