a) $\square \times \frac{1}{3} = \frac{2}{3}$

b) $\square \times \frac{1}{3} = 1$

c) $\square \times \frac{1}{7} = 1$

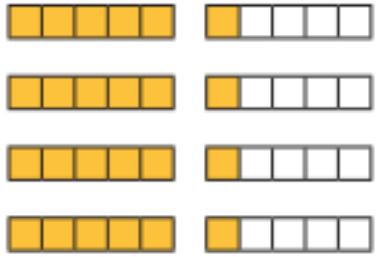
RECALL

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

$4 \times 1 = \square$

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

$\square + \square = \square$

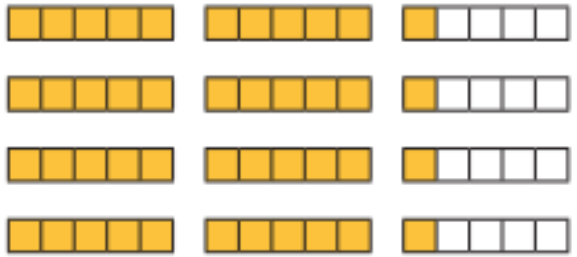


b) $4 \times 2\frac{1}{5}$

$\square \times 2 = \square$

$4 \times \square = \square$

$\square + \square = \square$

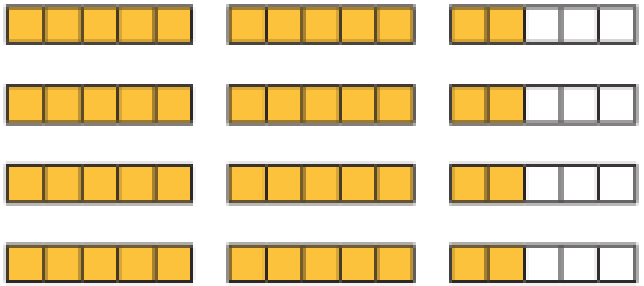


c) $4 \times 2\frac{2}{5}$

$\square \times \square = \square$

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

$\square + \square = \square$

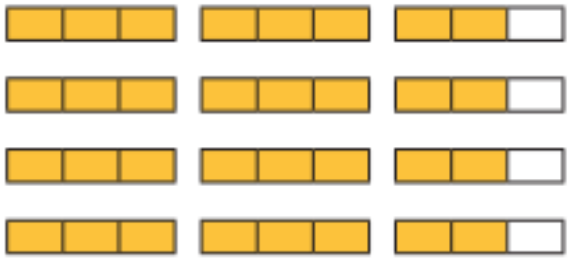


d) $4 \times 2\frac{2}{3}$

$\square \times \square = \square$

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

$\square + \square = \square$



GUIDED PRACTICE

LO: multiply mixed numbers by integers.

Some will even answer multistep problems.
Some will answer word problems.
Most will answer number problems.
All will partition mixed numbers and begin to multiply mixed numbers by integers .

LEARNING HABIT RESILIENCE.

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

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

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

INTELLIGENT PRACTICE.

Dive deeper 1

Complete the calculations.

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

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

Dive deeper 2

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

How much do 5 bags of potatoes weigh?

Dive deeper 3

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?

b) Dora makes 4 birthday cakes.

How much more butter does she use than sugar?

DIVE DEEPER

a) $3 \times 8\frac{2}{7} =$ 24 6/8

b) $2 \times 12\frac{2}{11} =$ 24 4/11

c) $6\frac{2}{11} \times 4 =$ 24 8/11

INTELLIGENT PRACTICE.

Dive deeper 1

Complete the calculations.

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

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

15/7

13 1/10

22 1/7

Dive deeper 2

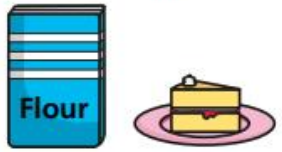
One bag of potatoes weighs $1\frac{3}{4}$ kg.

How much do 5 bags of potatoes weigh?

8 3/4

Dive deeper 3

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?

b) Dora makes 4 birthday cakes.

How much more butter does she use than sugar?

A = 6 ¾

DIVE DEEPER