Chapter

1

ADDITIONAL PRACTICE
MULTI-DIGIT WHOLE NUMBERS

Exercise 1A   Numbers to 10 Million
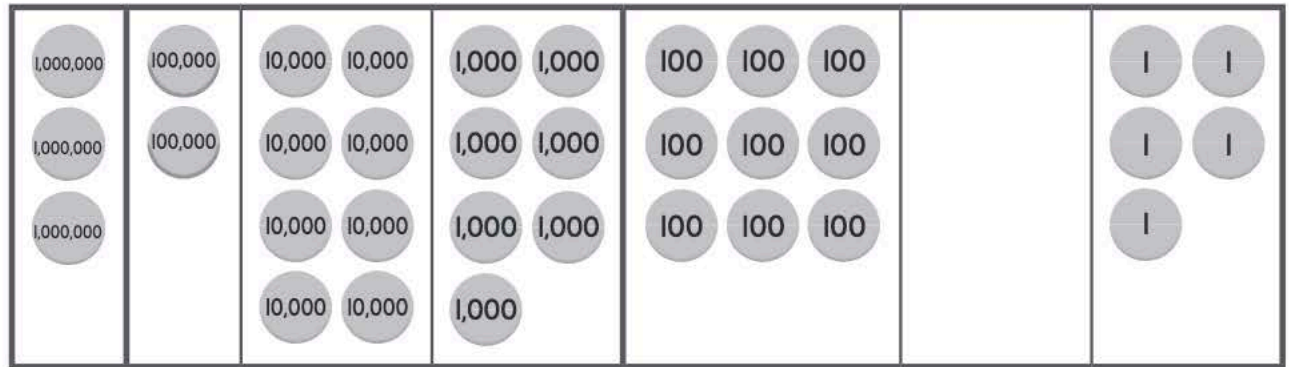
1.   Write the numbers.

(a)

| 1,000,000 1,000,000 | 100,000 100,000 100,000 | 10,000 10,000 10,000 10,000 10,000 10,000 | 1,000 1,000 1,000 1,000 1,000 1,000 1,000 | 100 100 100 100 | 10 10 10 10 10 | 1 1 1 1 1 1 1 1 1 |

_____

(b)

| 1,000,000 1,000,000 1,000,000 | 100,000 100,000 | 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 | 1,000 1,000 1,000 1,000 1,000 1,000 1,000 | 100 100 100 100 100 100 100 100 100 | | 1 1 1 1 1 |

_____
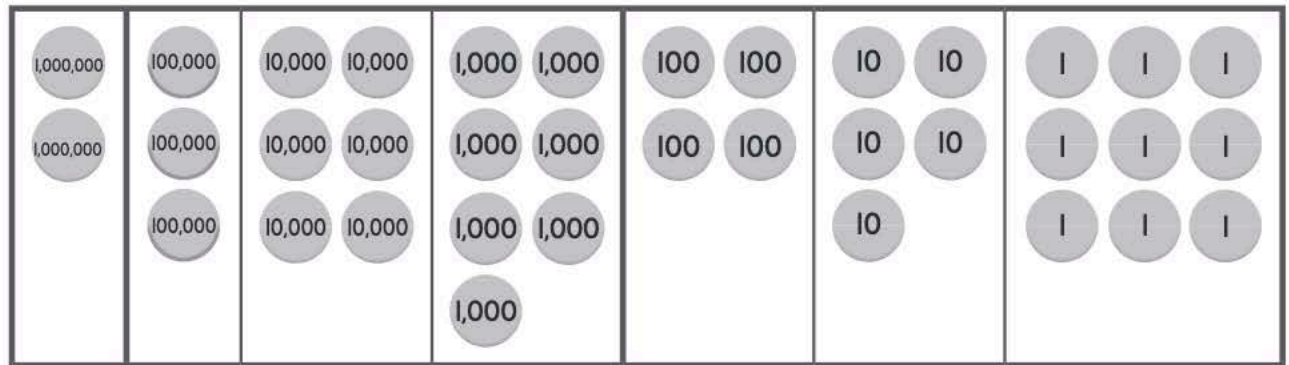
2.   Write nine million, four hundred seven thousand, two hundred fifty-six in standard form.

_____

3.   Write 3,205,870 in word form.

_____

_____

Exercise 2B Multiply by a 2-Digit Number Fluently

I. What is 1,323 × 23?

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              1,323
    ┌─────────────────────────┐
  3 │  1,323 × 3 = _____  │          1   3   2   3
    ├─────────────────────────┤      ×           2   3
 20 │  1,323 × 20 = _____  │      ─────────────────
    │                         │
    └─────────────────────────┘
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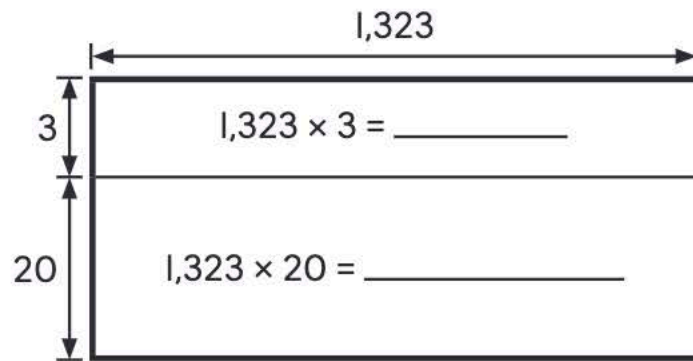
1,323 × 23 = _____

2. Multiply. Show your work.

(a) 132 × 31 = _____   **(b)** 398 × 75 = _____

(c) 495 × 47 = _____   **(d)** 856 × 76 = _____

(e) 4,235 × 36 = _____   **(f)** 7,283 × 78 = _____

3. Fill in the blanks.

(a) _____ × 34 = 2,652

2,652 ÷ 34 = _____

(b) 55 × _____ = 4,400

4,400 ÷ 55 = _____

4. CONSTRUCT VIABLE ARGUMENTS Jamie divides 2,352 by 42 in the following way:

> 2,100 ÷ 42 is 50.
>
> So,
> 2,352 ÷ 42 = 2,100 ÷ 42 + 252 ÷ 42
>   = 50 + 6
>   = 56

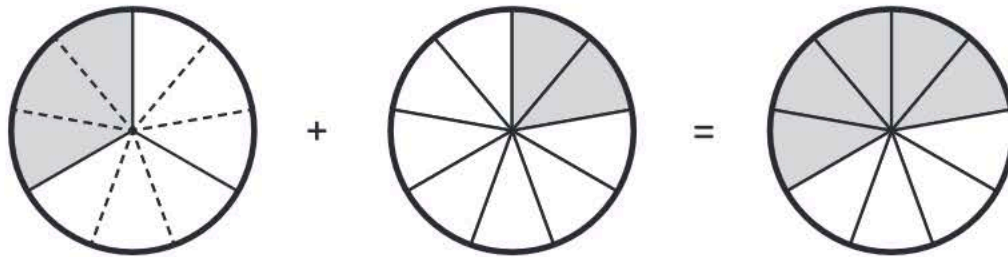Do you agree with Jamie? Explain your thinking.

Chapter

3 ADDITIONAL PRACTICE
ADDITION AND SUBTRACTION OF FRACTIONS

Exercise 3A Add and Subtract Unlike Fractions (1)

I. Add. Express your answers in simplest form.

(a) $\dfrac{1}{3} + \dfrac{2}{9}$

$\dfrac{1}{3} + \dfrac{2}{9} = \boxed{\dfrac{}{9}} + \dfrac{2}{9}$

$= \underline{}$

(b) $\dfrac{2}{5} + \dfrac{3}{10} = \boxed{\dfrac{}{10}} + \dfrac{3}{10}$

$= \underline{}$

(c) $\dfrac{5}{12} + \dfrac{1}{3} = \dfrac{5}{12} + \boxed{\dfrac{}{12}}$

$= \underline{}$

$= \underline{}$

(c) $\dfrac{2}{3} - \dfrac{2}{5} = \boxed{\dfrac{}{15}} - \boxed{\dfrac{}{15}}$

$= \underline{\hspace{3cm}}$

2. Subtract. Express your answers in simplest form.

(a) $\dfrac{5}{6} - \dfrac{1}{4}$

(b) $\dfrac{5}{6} - \dfrac{3}{8}$

(c) $\dfrac{4}{5} - \dfrac{3}{4}$

(d) $\dfrac{6}{7} - \dfrac{2}{3}$

(e) $\dfrac{7}{8} - \dfrac{3}{5}$

(f) $\dfrac{7}{9} - \dfrac{1}{2}$

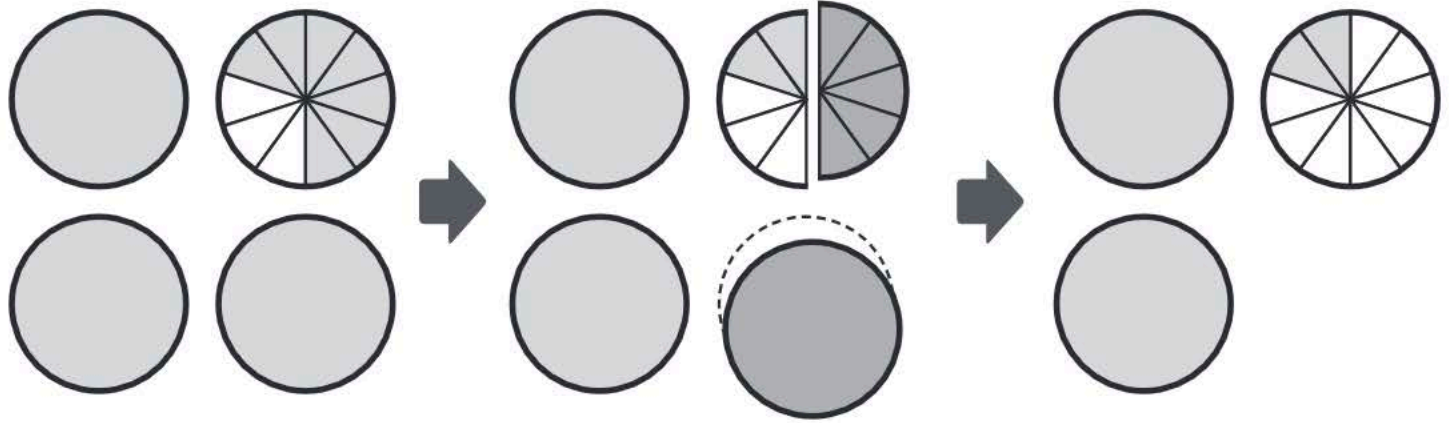**(g)** $\dfrac{5}{6} - \dfrac{7}{10}$

(h) $\dfrac{8}{9} - \dfrac{1}{6}$

Exercise 3B Add and Subtract Mixed Numbers (2)

I. Subtract. Express your answers in simplest form.

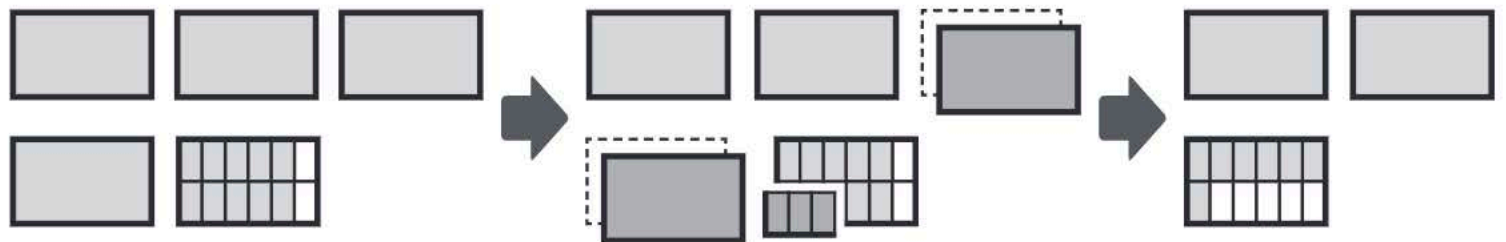**(a)** $3\frac{7}{10} - 1\frac{1}{2}$

$$3\frac{7}{10} - 1\frac{1}{2} = 3\,\boxed{\dfrac{}{10}} - 1\,\boxed{\dfrac{}{10}}$$

$$= \underline{\hspace{2cm}}$$

$$= \underline{\hspace{2cm}}$$

(b) $4\frac{5}{6} - 2\frac{1}{4}$

$$4\frac{5}{6} - 2\frac{1}{4} = 4\,\boxed{\dfrac{}{}} - 2\,\boxed{\dfrac{}{}}$$

$$= \underline{\hspace{2cm}}$$