Using Equivalent Fractions to Solve Problems

Home Link 5-1

NAME DATE TIME

SRB 168, 181–182

① Fill in the equivalent fractions in the table below.

	Multiply Both the Numerator and Denominator by:				
Fraction	**2**	**3**	**4**	**5**	**6**
$\frac{1}{2}$	$\frac{2}{4}$		$\frac{4}{8}$		$\frac{6}{12}$
$\frac{2}{3}$		$\frac{6}{9}$		$\frac{10}{15}$	
$\frac{3}{4}$	$\frac{6}{8}$		$\frac{12}{16}$		$\frac{18}{24}$

Estimate. Then solve by finding fractions with a common denominator. Write a number sentence to show which fractions you used.

Example: $\frac{1}{3} + \frac{7}{12} = ?$

Estimate: close to 1, because $\frac{1}{3}$ is less than $\frac{1}{2}$, and $\frac{7}{12}$ is a little more than $\frac{1}{2}$

Common denominator: 12 Number sentence: $\frac{4}{12} + \frac{7}{12} = ?$

Answer: $\frac{11}{12}$

② $\frac{6}{8} - \frac{1}{2} = ?$

_____
(estimate)

Common denominator: _____

Number sentence: _____

Answer: _____

③ $\frac{1}{6} + \frac{2}{3} = ?$

_____
(estimate)

Common denominator: _____

Number sentence: _____

Answer: _____

Practice

Estimate. Then solve using U.S. traditional multiplication. Show your work on the back of this page.

④ $723 * 89 =$ _____

Estimate: _____

⑤ $1{,}207 * 54 =$ _____

Estimate: _____

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Math Boxes

Lesson 5-1

DATE TIME

1 Rename each fraction as a whole number or mixed number.

a. $\frac{24}{8} =$ _____ **b.** $\frac{18}{5} =$ _____

c. $\frac{21}{6} =$ _____ **d.** $\frac{15}{4} =$ _____

e. $\frac{11}{3} =$ _____

SRB 171

2 Write the following decimals using numerals.

a. three and six hundredths = _____

b. twelve and nine thousandths = _____

c. seventy and one tenth = _____

SRB 117

3 There are 107 girls at hockey camp. The coach is reserving rinks for games. There can only be 12 girls on each rink. How many rinks should the coach reserve?

_____
(number model)

Solution: _____

What does the remainder represent?

_____

SRB 109, 113–114

4 Carlos rode for 2 hours while training for a bicycle race. In the first hour he rode $15\frac{7}{10}$ miles. In the second hour he rode $14\frac{5}{10}$ miles. Which number model would you use to find the total miles Carlos rode in the 2 hours?

Fill in the circle next to the best answer.

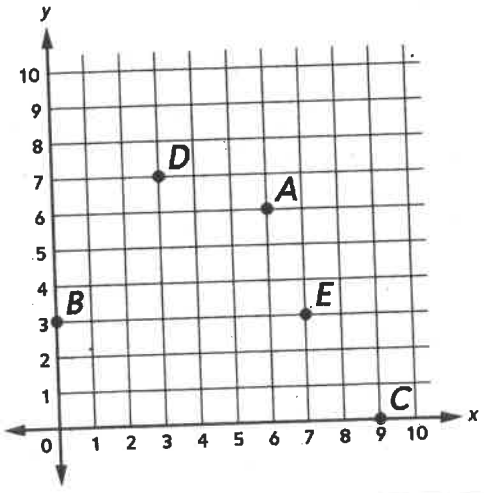
○ **A.** $2 * (15\frac{7}{10} + 14\frac{5}{7}) = m$

○ **B.** $15\frac{7}{10} + 14\frac{5}{10} + 2 = m$

○ **C.** $15\frac{7}{10} + 14\frac{5}{10} = m$

SRB 44

5 Write the ordered pairs for each point on the coordinate grid.



A: (_____, _____)

B: (_____, _____)

C: (_____, _____)

D: (_____, _____)

E: (_____, _____)

SRB 275