

NAME

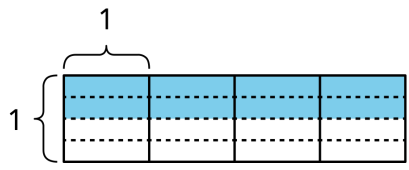
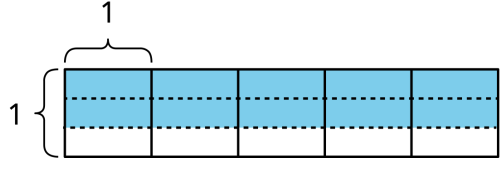
DATE

PERIOD

Grade 5, Unit 2, Section C: Additional Practice Problems **KEY**

1. C. There are 8 pieces, and each one is $\frac{1}{3}$ of a square unit.

2.

figure		expression	area
•		$4 \times 2 \times \frac{1}{4}$	2 square units
•		$2 \times 6 \times \frac{1}{4}$	3 square units
•		$5 \times \frac{2}{3}$	$\frac{10}{3}$ square units

3. a. D

b. 2 square units; There are 5 unit squares, and $\frac{2}{5}$ of them are shaded

4.

a. A

b. C

NAME

DATE

PERIOD

5.

a.

$$(2 \times 2) + \left(2 \times \frac{2}{4}\right)$$

b.

$$\left(4 \times \frac{3}{4}\right) + \left(2 \times \frac{1}{2}\right)$$

c.

$$\left(4 \times \frac{1}{2}\right) + \left(2 \times \frac{2}{4}\right)$$

d.

$$(2 \times 1) + \left(2 \times \frac{1}{4}\right)$$

6.

Too low	About right	Too high
<i>B.</i> $5 \times 6 \frac{5}{7}$	<i>E.</i> $3 \times 7 \frac{8}{11}$	<i>A.</i> $6 \times 5 \frac{1}{13}$
<i>C.</i> $5 \frac{2}{9} \times 7$	<i>D.</i> $2 \times 13 \frac{1}{5}$	<i>F.</i> $10 \times 2 \frac{8}{9}$

7. Evaluate the expressions.

a. $3 \frac{9}{11}$

b. $23 \frac{2}{5}$

c. $\frac{15}{2}$

d. Multiply 3 and 5 and have that many halves.

NAME

DATE

PERIOD

8. a. A mirror is $3\frac{5}{7}$ feet wide. It is 7 feet tall. It has an area of 26 square feet.

b. Multiplying by 3 gives a product between the first and second choice. Multiplying by 5 gives a product between the second and third choice. Multiplying by 7 gives $21 + 5$ or 26.

9. EXPLORATION

a. Sample response: length: 4 feet, width: $6\frac{1}{5}$ feet; length: 2 feet, width $12\frac{2}{5}$ feet.

b. The numbers 24 and 4 are both divisible by 4; so I factored out the 4 for the first pair. They are also both divisible by 2, so I factored out the 2.