6 - Unit Review Page (227-229; 231-232)

Vocabulary Review

Choose the correct word(s) to complete each sentence.

| multiplication | square units | decompose |
| composite figure | unit square | area |

1. The _____ of a figure is the amount of surface inside the figure. You can find area by counting the number of square units that cover the figure with no overlaps or gaps. (Lesson 6-1)

2. When you _____ a figure, you break it into parts. (Lesson 6-5)

3. _____ are used to measure area. (Lesson 6-1)

4. A(n) _____ has side lengths of 1 unit. (Lesson 6-1)

5. A(n) _____ is made up of two or more figures. (Lesson 6-4)

6. You can use the side lengths and _____ to find the area of a retangle. (Lesson 6-3)

7. How can you find the area of the rectangle using tiling and unit squares? Explain. (Lesson 6-1)

10 units
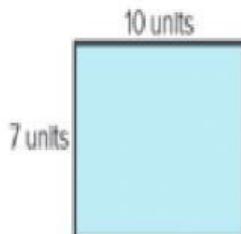
7 units

8. Which equation can be used to determine the area of the rectangle? (Lesson 6-5)

15 cm

5 cm
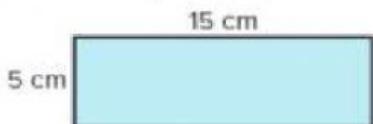
15 x 5 = ⬚

A. $5 + 10 + 5 + 5 =$ ⬚

B. $5 \times 10 \times 5 \times 5 =$ ⬚

C. $5 \times 1 + 5 \times 5 =$ ⬚

D. $5 \times 10 + 5 \times 5 =$ ⬚

9. What is the area of the figure? (Lesson 6-4)

5 cm
2 cm   A2   2 cm
5 cm
10 cm
6 cm   A1   8 cm   6 cm
10 cm
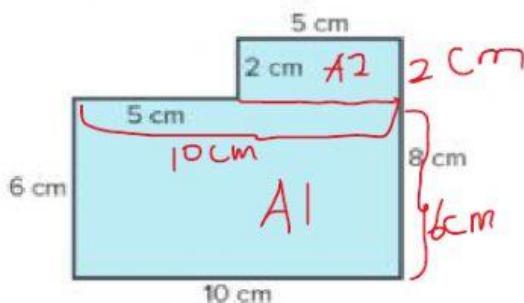
Area = A1+ A2 = ⬚

_____ square centimeters

A1 = 6 x 10 = ⬚

A2 = 5 x 2 = ⬚

10. Which rectangle has an area of 32 square units? (Lesson 6-2)

A.   **B.**   **C.**   **D.**
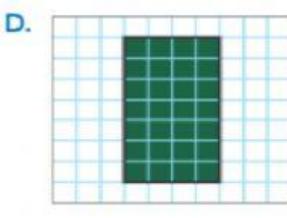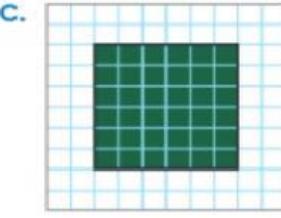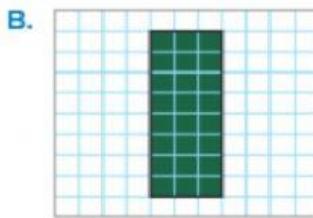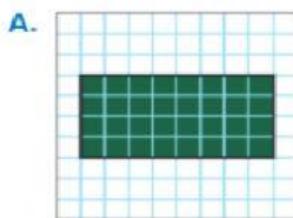
11. Which equations can be used to find the area of the figure? Choose all that apply. (Lesson 6-5)

4   5

4
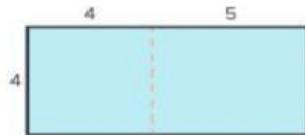
A. $4 \times 4 \times 5 = ?$

B. $4 \times 9 = ?$

C. $4 \times 4 + 4 \times 9 = ?$

**D.** $4 \times 4 + 4 \times 5 = ?$

E. $4 + 9 = ?$

F. $4 + 4 + 4 + 5 = ?$

12. How can you write an equation to find the area of the square? Explain. (Lesson 6-3)

6 ft
6ft   6 ft
6ft
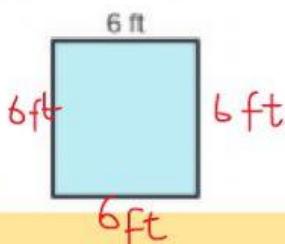
Area = 6 x 6 = ⬚ **sq.ft**

13. Milan is putting carpet in a room. He measures the room. What is the area of the room?

4 yd

6 yd A1 } 6yd

3 yd 10 yd

4 yd 7yd 4yd

A2

7 yd

Area 1 = 4 x 6 = ____ sq.yd
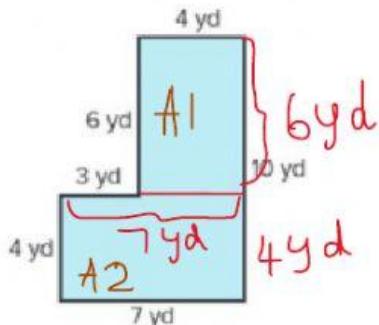
Area 2 = 4 x 7 = ____ sq.yd

Area = A1 + A2 = ____ sq.yd

14. Frank is making a block letter F for his name. How many square inches of paper does Frank need to make the F? (Lesson 6-6)

6 In. → A1

1 In.

4 in.

3 In.

4 in.

8 In. 1 In. A 2

A3 4 in.

3 In.

2 In.

Area 1 = 4 x 1 = ____ sq.in

Area 2 = 4 x 1 = ____ sq.in
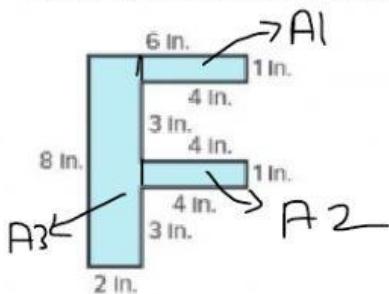
Area 3 = 8 x 2 = ____ sq.in

Area = A1 + A2 + A3 = ____ sq.in

Unit **6**

Fluency Practice

Name _____

Fluency Strategy

You can decompose by place value to subtract.

Decompose

$498 - 257 = ?$

Decompose 257. $257 = 200 + 50 + 7$
Subtract the hundreds. $498 - 200 = 298$
Subtract the tens. $298 - 50 = 248$
Subtract the ones. $248 - 7 = 241$

$498 - 257 = 241$

1. How can you decompose to find the difference?

$763 - 421 = ?$

$421 = \boxed{400} + \boxed{} + \boxed{}$

$763 - \boxed{400} = 363$

$363 - \boxed{} = 343$

$343 - \boxed{} = \boxed{}$

Fluency Flash

How can you write an equation to represent the base-ten blocks?

2.
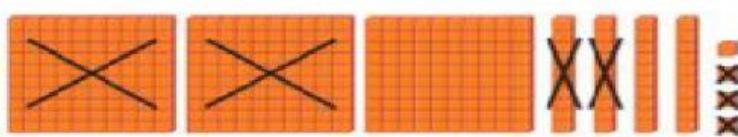
3.
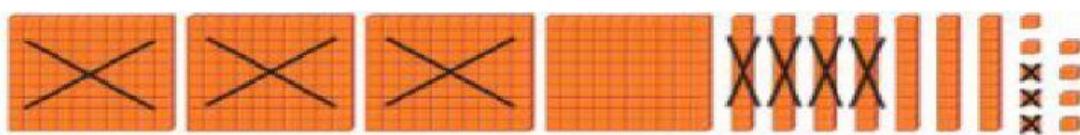
Fluency Check

How can you find the sum or difference?

4. $496 - 135 =$

5. $858 - 624 =$

6. $997 - 265 =$

7. $142 + 256 =$

8. $284 + 112 =$

9. $98 - 24 =$

10. $569 - 451 =$

11. $86 - 55 =$

12. $572 + 317 =$

13. $371 + 426 =$

14. $764 - 321 =$

15. $678 - 245 =$

16. $865 - 124 =$

17. $79 - 12 =$