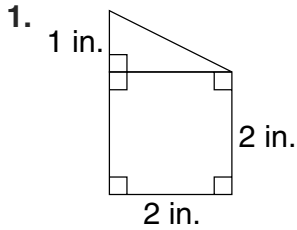
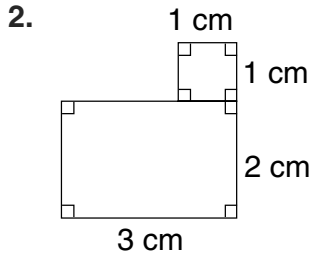
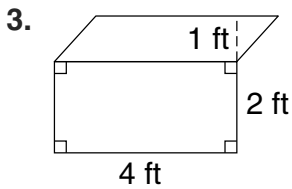


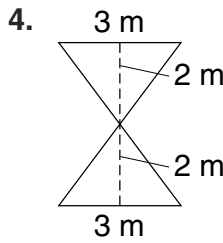
LESSON **10-3** **Practice A**
Area of Composite Figures

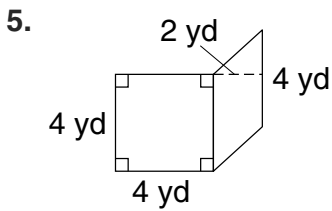
Find the area of each polygon.

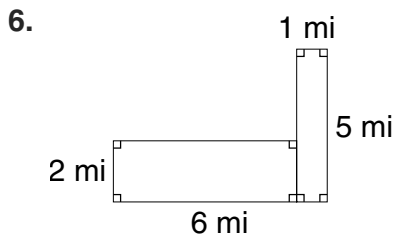












7. A rectangular painting is made up of two congruent squares with sides that measure 2 feet. What is the area of the entire painting?

8. A carpet is made up of two congruent triangles. The base of each triangle is 3 feet and the height is 6 feet. What is the area of the entire carpet?

LESSON 10-2 Puzzles, Twisters & Teasers

10-2 Hear, Hear!

Find the area of each figure below and circle the letter next to the correct answer. Write the letters over the number of the problem in the corresponding space in the riddle.

- Ⓔ 24 units² Ⓑ 26 units² ⓧ 28 units²
- Ⓐ 20 units² Ⓕ 24 units² Ⓖ 40 units²
- Ⓞ 10 units² Ⓡ 12 units² Ⓟ 24 units²
- Ⓒ 5.1 units² Ⓚ 5.2 units² Ⓣ 5.3 units²
- Ⓛ 24 units² Ⓔ 48 units² Ⓡ 72 units²
- Ⓥ 4 units² Ⓤ 5 units² Ⓛ 6 units²
- Ⓜ 20 units² ⓗ 21 units² Ⓦ 40 units²
- Ⓝ 5 units² Ⓝ 6 units² Ⓢ 7 units²

What part of your body has the most rhythm?

- E A R D R U M S
1. 2. 3. 4. 5. 6. 7. 8.

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LESSON 10-3 Practice A

10-3 Area of Composite Figures

Find the area of each polygon.

- 5 in²
 - 7 cm²
 - 12 ft²
 - 6 m²
 - 24 yd²
 - 17 mi²
7. A rectangular painting is made up of two congruent squares with sides that measure 2 feet. What is the area of the entire painting?
 8 ft²
8. A carpet is made up of two congruent triangles. The base of each triangle is 3 feet and the height is 6 feet. What is the area of the entire carpet?
 18 ft²

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LESSON 10-3 Practice B

10-3 Area of Composite Figures

Find the area of each polygon.

- 36 in²
 - 80 cm²
 - 22.5 ft²
 - 12 yd²
 - 8.75 mi²
 - 108 m²
7. Three paintings are shaped like an 8-foot square, a 7-foot by 4-foot rectangle, and a triangle with a 6-foot base and a height of 7 feet. If those paintings are hung together on the outside of a building, how much of the building's wall will they cover altogether?
 113 ft²
8. Two diagonals divide a square carpet into 4 congruent triangles. The base of each triangle is 5 feet and the height is 2.5 feet. What is the area of the entire carpet?
 25 ft²

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LESSON 10-3 Practice C

10-3 Area of Composite Figures

Find the area of each figure. The shaded parts are cut out of the figures.

- 106 in²
 - 13.4 m²
 - 107 ft²
 - 322 yd²
 - 48 3/4 m²
 - 85.5 mi²
7. The front wall of the shed that Rita built is 9 feet tall and $5\frac{1}{4}$ feet wide. After she cut a section out for a door, the area of that wall was $26\frac{1}{4}$ square feet. If the measurements of the doorway were whole numbers of feet, what size door did Rita install?
 a door that is 7 feet tall and 3 feet wide
8. The perimeter of a rectangular playground is 40 yards. It is $1\frac{1}{2}$ yards longer than it is wide. What is the area of that playground?
 99 7/16 yd²

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