

Name: \_\_\_\_\_

Date: \_\_\_\_\_

1. Figure 1 is a rectangle with two sides covered in tiles.

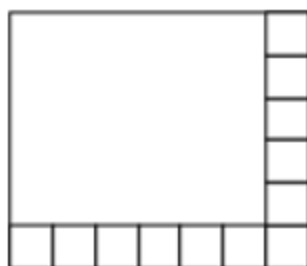


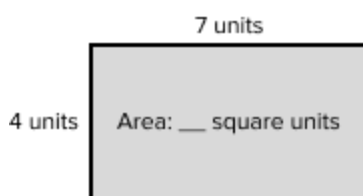
Figure 1

Which equation shows a way to find the area of Figure 1?

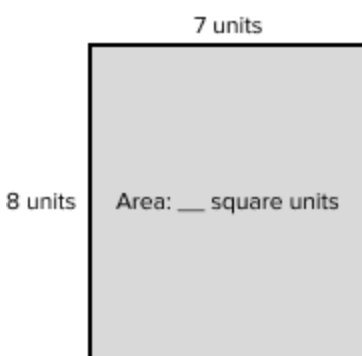
- A.  $5 \times 6 = 30$
- B.  $5 \times 7 = 35$
- C.  $6 \times 6 = 36$
- D.  $6 \times 7 = 42$

2. Find the area of each rectangle. Then write a multiplication equation to represent how the side lengths are related to the area.

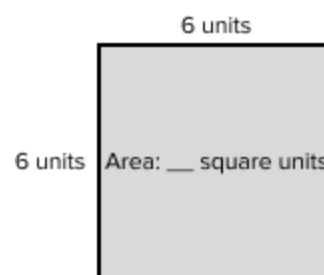
a.



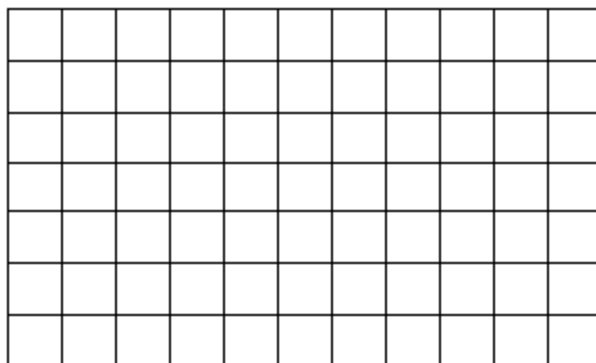
b.



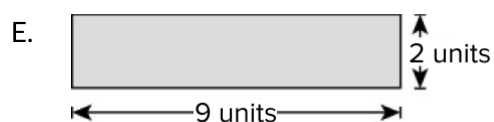
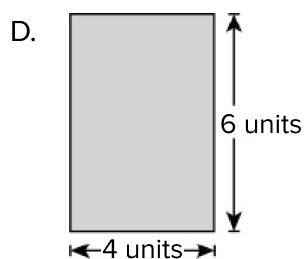
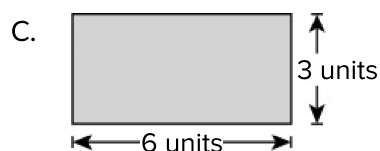
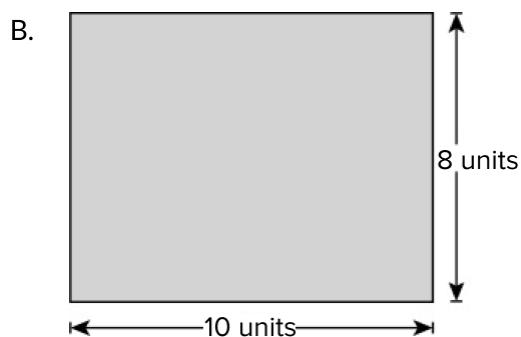
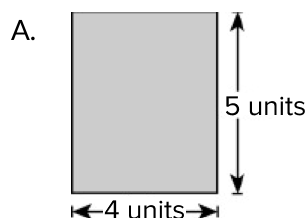
c.



3. On the grid below, draw a rectangle that has an area of 40 square units. Label the side lengths.

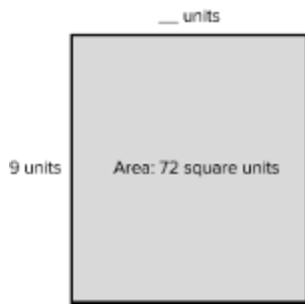


4. Joseph bought two pictures in the shape of rectangles. Each picture had an area of 18 square units. Which pictures did he buy? Select the **two** correct answers.

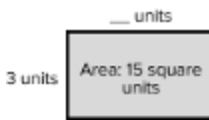


5. Find the area of each rectangle. Then write a multiplication equation and a division equation to represent how the area and one side length are related to the missing side length.

a.



b.



c.

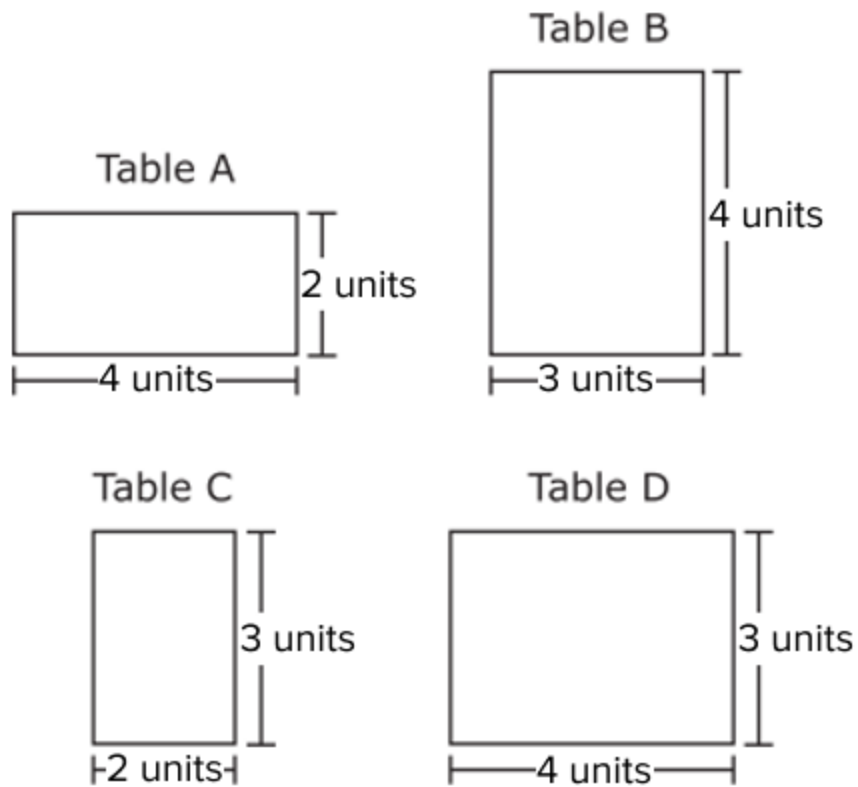


6. A model rocket launch pad has the side lengths shown.



What is the total number of square units of the model rocket launch pad?

7. Tori and Leo set up their clubhouse with four tables. These rectangles represent the tabletops. They are all measured with the same sized unit.



Identify **two** tabletops with the same area, and explain how you know that the areas are equal.

## Sources

1. PARCC Released Items [Math Spring 2017 Grade 3 Released Items](#) — Question #15  
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[Grade 3 Mathematics > Module 4 > Topic B > Lesson 8](#) of the New York State Common Core Mathematics Curriculum from [EngageNY](#) and [Great Minds](#). © 2015 Great Minds. Licensed by EngageNY of the New York State Education Department under the [CC BY-NC-SA 3.0 US](#) license. Accessed Dec. 2, 2016, 5:15 p.m.. Modified by Fishtank Learning, Inc.
3. EngageNY Mathematics [Grade 3 Mathematics > Module 4 > Topic B > Lesson 8](#) — Problem Set, Question #3  
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7. PARCC Mathematics Practice Tests [Grade 3 Paper-Based Practice Test](#) — Question #36 Part A  
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