Name: _____ Date: _____

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

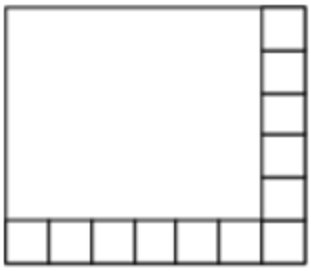


Figure 1

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

A. 5 x 6 = 30

B. 5 x 7 = 35

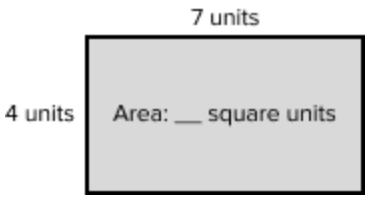
C. 6 x 6 = 36

D. 6 x 7 = 42

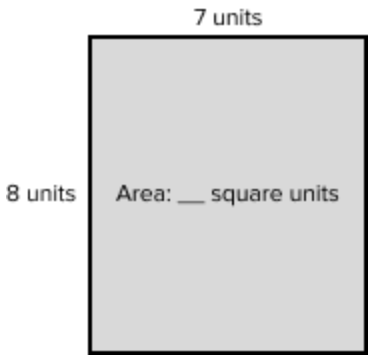
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2. Find the area of each rectangle. Then write a multiplication equation to represent how the side lengths are related to the area.

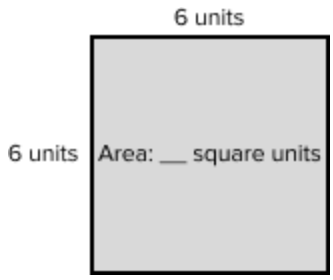
a.



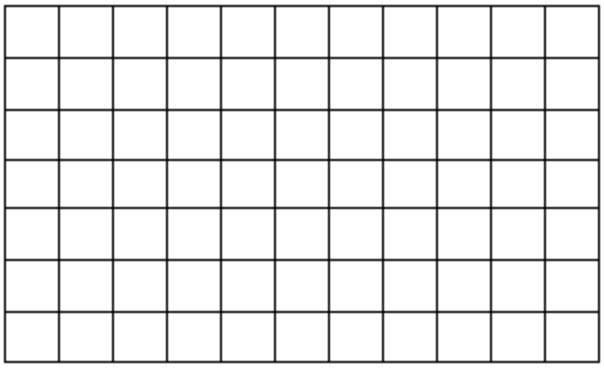
b.



c.



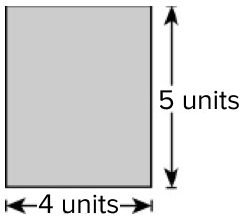
3. On the grid below, draw a rectangle that has an area of 40 square units. Label the side lengths.



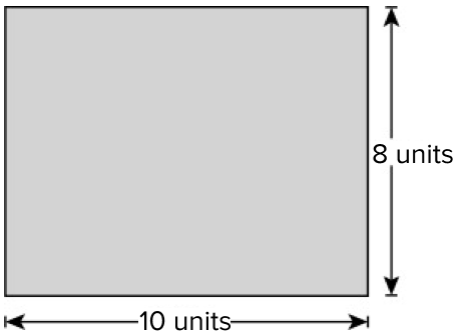
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4. Joseph bought two pictures in the shape of rectangles. Each picture had an area of 18 square units. Which pictures did he buy? Select the **two** correct answers.

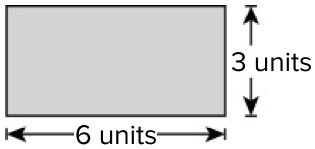
A.



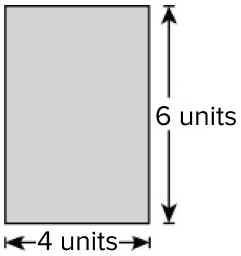
B.



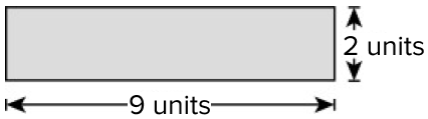
C.



D.



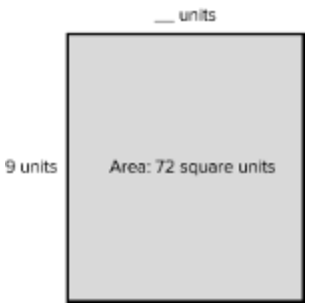
E.



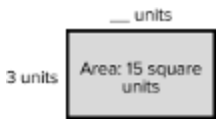
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5. Find the area of each rectangle. Then write a multiplication equation and a division equation to represent how the area and one side length are related to the missing side length.

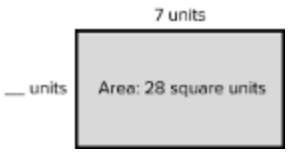
a.



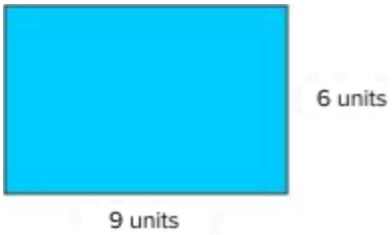
b.



c.



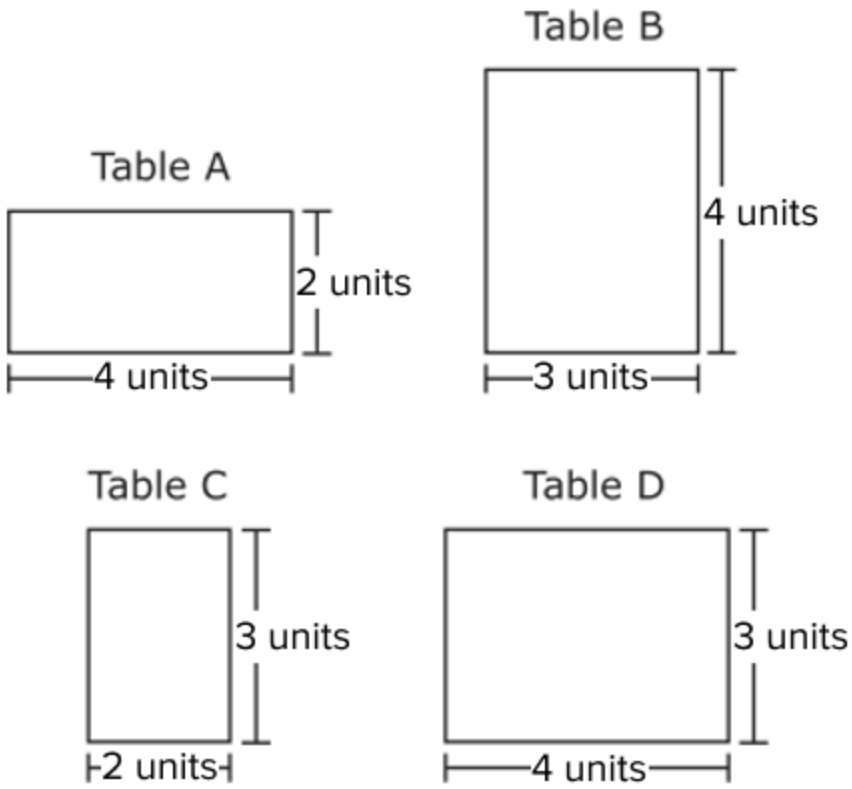
6. A model rocket launch pad has the side lengths shown.



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

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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.

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Sources

1. PARCC Released Items *Math Spring 2017 Grade 3 Released Items* — Question #15
Math Spring 2017 Grade 3 Released Items is made available by The Partnership for Assessment of Readiness for College and Careers (PARCC). Copyright © 2017 All Rights Reserved. Accessed Oct. 15, 2018, 4 p.m..

2. EngageNY Mathematics Grade 3 Mathematics > Module 4 > Topic B > Lesson 8 — Problem Set, Question #1
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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4. PARCC Released Items *Math Spring Operational 2016 Grade 3 Released Items* — Question #8
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Grade 3 Paper-Based Practice Test from Mathematics Practice Tests is made available by Partnership for Assessment of Readiness for College and Careers. © Copyright 1998 - 2015 Pearson Education, Inc. or its affiliate(s). All rights reserved. Accessed Sept. 25, 2018, 4:26 p.m..

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