Name: _____   Date: _____

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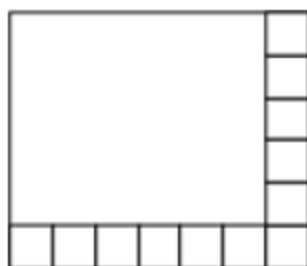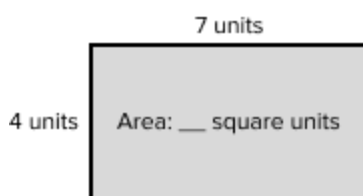

Figure 1

Which equation shows a way to find the area of Figure 1?
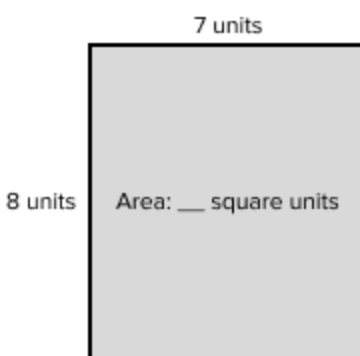
A.   5 x 6 = 30

B.   5 x 7 = 35

C.   6 x 6 = 36

D.   6 x 7 = 42

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

a.
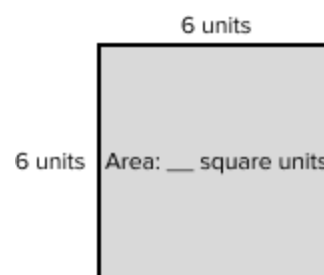
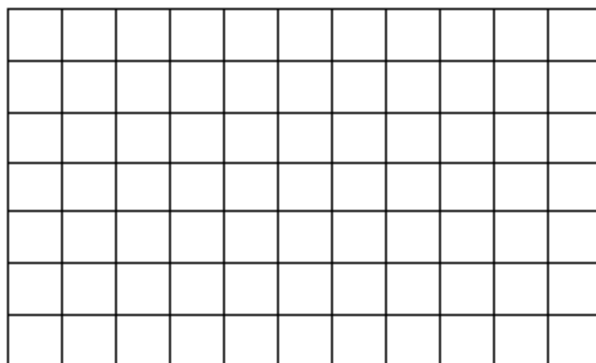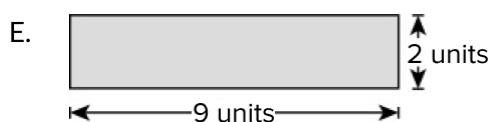7 units

4 units   Area: __ square units

b.

7 units

8 units   Area: __ square units

c.

6 units

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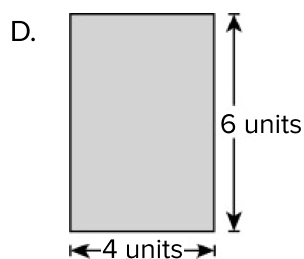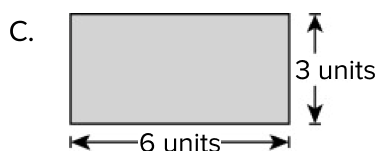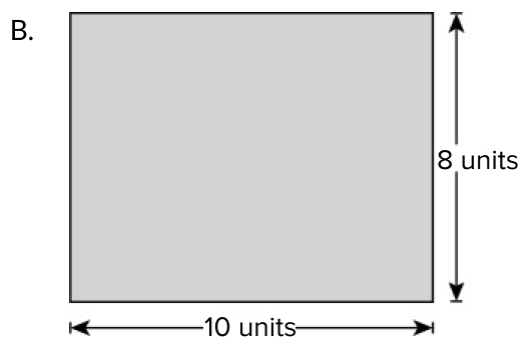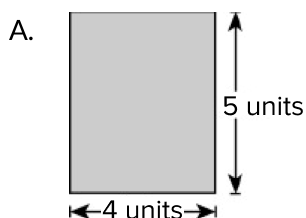
3. On the grid below, draw a rectangle that has an area of 40 square units. Label the side lengths.

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.

A.

5 units
4 units

B.

8 units
10 units

C.

3 units
6 units

D.

6 units
4 units

E.

2 units
9 units

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.

__ units

9 units | Area: 72 square units

b.

__ units

3 units | Area: 15 square units

c.

7 units

__ units | Area: 28 square units
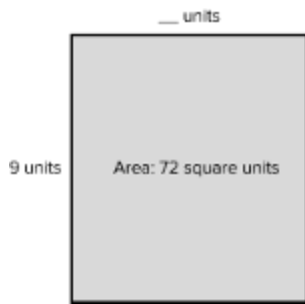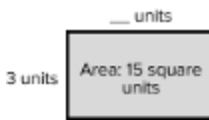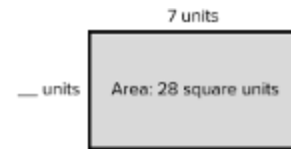
6. A model rocket launch pad has the side lengths shown.
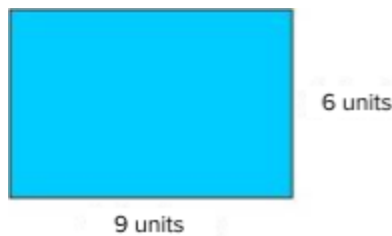
6 units

9 units

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.

Table A

2 units

4 units

Table B

4 units

3 units

Table C

3 units

2 units

Table D

3 units

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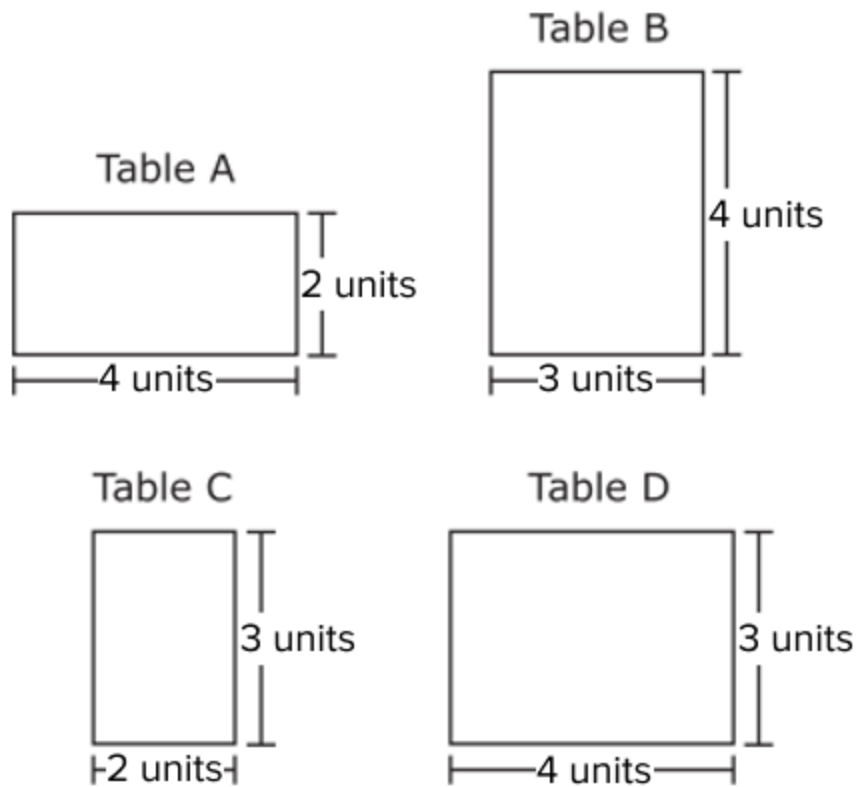
Identify **two** tabletops with the same area, and explain how you know that the areas are equal.

Sources

1. PARCC Released Items *Math Spring 2017 Grade 3 Released Items* — Question #15
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
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..

4. PARCC Released Items *Math Spring Operational 2016 Grade 3 Released Items* — Question #8
Math Spring Operational 2016 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 Dec. 6, 2017, 11:52 a.m..

5. EngageNY Mathematics Grade 3 Mathematics > Module 4 > Topic B > Lesson 8 — Problem Set, Question #2
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.

6. PARCC Released Items *Math Spring 2018 Grade 3 Released Items* — Question #17
Math Spring 2018 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 Nov. 15, 2018, 3:26 p.m..

7. PARCC Mathematics Practice Tests *Grade 3 Paper-Based Practice Test* — Question #36 Part A
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..