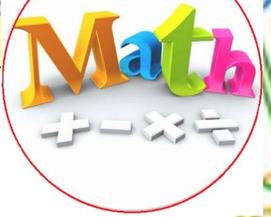


Name: \_\_\_\_\_

Section: \_\_\_\_\_



**WRITE YOUR NAME  
OR NO GRADE!!!**

### Homework

Homework is due on **MONDAY APRIL 29**

**TEST ON WEDNESDAY 25**

### Reminders

Please remember that homework is just a reinforcement of what we do in class. When a scholar completes homework, they are retaining the information. A scholar who does not complete the homework is more likely to forget what was learned in class.

### Notes

- Homework is graded for completion. **However, students must show their work.** Students will lose 50% of the points if they turn in homework showing no work, even if the answers are present.
- **I will not accept homework more than four days late.** If the homework is **due on Monday**, the last day to turn it in will be **Friday**. Late homework will have points deducted. Homework will be graded as follows:
  - o On time and complete/work shown: 100%
  - o One day late: deduct 11 %
  - o Two days late: deduct 21 %
  - o Three days late: deduct 31%
  - o Four days late: deduct 41%
  - o Five days or more late: Z

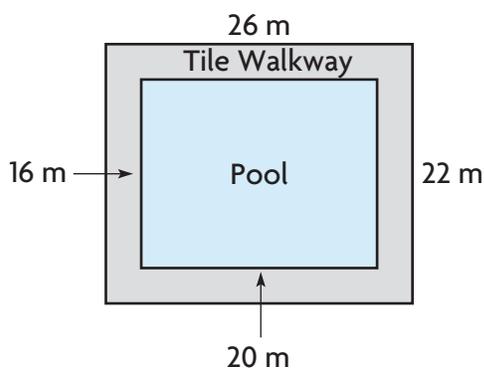
Please feel free to contact me with any questions or concerns at [natalie.roman@archimedean.org](mailto:natalie.roman@archimedean.org).

<input type="checkbox"/>	<u>Monday</u>	April 22	Review for Test - Pages 1-3
<input type="checkbox"/>	<u>Tuesday</u>	April 23	Review for Test - Pages 4-6
<input type="checkbox"/>	<u>Wednesday</u>	April 24	TEST - NONE
<input type="checkbox"/>	<u>Thursday</u>	April 25	NONE
<input type="checkbox"/>	<u>Friday</u>	April 26	NONE

Name \_\_\_\_\_

## Chapter Review

- For problems 1a–1e, select Yes or No to indicate if a rectangle with the given dimensions would have a perimeter of 50 inches.
  - length: 25 inches      width: 2 inches       Yes       No
  - length: 20 inches      width: 5 inches       Yes       No
  - length: 17 inches      width: 8 inches       Yes       No
  - length: 15 inches      width: 5 inches       Yes       No
  - length: 15 inches      width: 10 inches       Yes       No
- The swimming club's indoor pool is in a rectangular building. Marco is laying tile around the rectangular pool.



### Part A

What is the area of the pool and the area of the pool and the walkway? Show your work.

### Part B

How many square meters of tile will Marco need for the walkway? Explain how you found your answer.

3. Match the dimensions of the rectangles in the top row with the correct area or perimeter in the bottom row.

length: 5 cm width: 9 cm	length: 6 cm width: 6 cm	length: 6 cm width: 5 cm	length: 9 cm width: 6 cm
•	•	•	•
•	•	•	•
area = 36 sq cm	perimeter = 22 cm	perimeter = 30 cm	area = 45 sq cm

4

5. A rectangular flower garden in Samantha's backyard has 100 feet around its edge. The width of the garden is 20 feet. What is the length of the garden? Use the numbers to write an equation and solve. A number may be used more than once.

10	20	50	30	40	60	100
----	----	----	----	----	----	-----

$$P = (2 \times \ell) + (2 \times w)$$

$$\boxed{\phantom{00}} = (2 \times \ell) + (2 \times \boxed{\phantom{00}})$$

$$\boxed{\phantom{00}} = (2 \times \ell) + \boxed{\phantom{00}}$$

$$\boxed{\phantom{00}} = \boxed{\phantom{00}} + 40$$

$$\text{Since } 2 \times \ell = 60, \ell = \boxed{\phantom{00}}$$

So, the length of the garden is  $\boxed{\phantom{00}}$  feet.

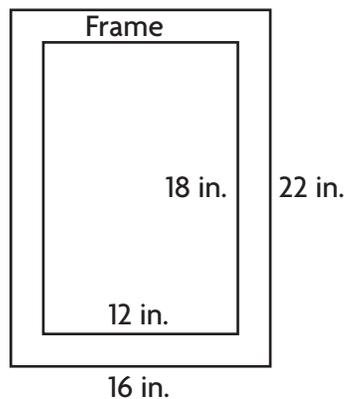
6. Mateo drew a rectangle and a square, each with a perimeter of 20 inches. Draw the rectangle and square Mateo could have drawn, and compare the areas. Which has the greater area?

Name \_\_\_\_\_

7. Ami and Bert are drawing plans for rectangular vegetable gardens. In Ami's plan, the garden is 13 feet by 10 feet. In Bert's plan, the garden is 12 feet by 12 feet. For problems 7a–7d, select True or False for each statement.

- 7a. The area of Ami's garden is 130 square feet.  True  False
- 7b. The area of Bert's garden is 48 square feet.  True  False
- 7c. Ami's garden has a greater area than Bert's garden.  True  False
- 7d. The area of Bert's garden is 14 square feet greater than Ami's.  True  False

9. Harvey bought a frame in which he put his family's picture.



What is the area of the frame not covered by the picture?

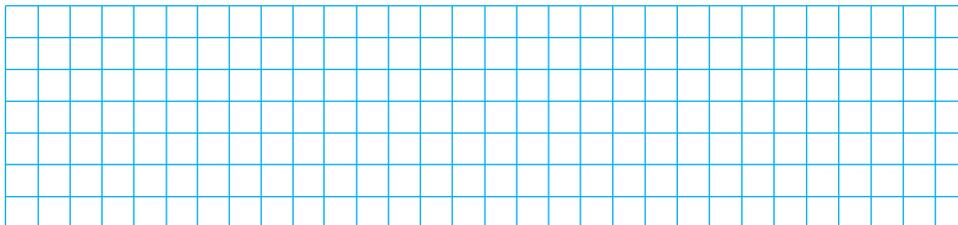
\_\_\_\_\_ square inches

10. Kelly has 236 feet of fence to use to enclose a rectangular space for her dog. She wants the width to be 23 feet. Draw a rectangle that could be the space for Kelly's dog. Label the length and the width.

11. Anthony wants to make two different rectangular flower beds, each with an area of 24 square feet. He will build a wooden frame around each flower bed. The flower beds will have side lengths that are whole numbers.

### Part A

Each unit square on the grid below is 1 square foot. Draw two possible flower beds. Label each with a letter.



12. Chad's bedroom floor is 12 feet long and 10 feet wide. He has an area rug on his floor that is 7 feet long and 5 feet wide. Which statements tell how to find the amount of the floor that is not covered by the rug? Mark all that apply.
- A** Add  $12 \times 10$  and  $7 \times 5$ .
  - B** Subtract 35 from  $12 \times 10$ .
  - C** Subtract  $10 \times 5$  from  $12 \times 7$ .
  - D** Add  $12 + 10 + 7 + 5$ .
  - E** Subtract  $7 \times 5$  from  $12 \times 10$ .
  - F** Subtract  $12 \times 10$  from  $7 \times 5$ .

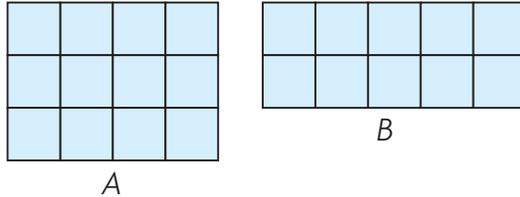
Name \_\_\_\_\_

13. A row of plaques covers 120 square feet of space along a wall. If the plaques are 3 feet tall, what length of the wall do they cover?

\_\_\_\_\_ feet

14. Tomas drew two rectangles on grid paper.

Circle the words that make the sentence true.



Rectangle *A* has an area that is

less than  
the same as  
greater than

the area of Rectangle *B* and a perimeter that is

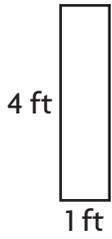
less than  
the same as  
greater than

the perimeter of Rectangle *B*.

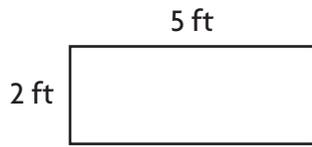
15. Lorenzo built a rectangular brick patio. He is putting a stone border around the edge of the patio. The width of the patio is 12 feet. The length of the patio is 2 feet longer than the width.

How many feet of stone will Lorenzo need? Explain how you found your answer.

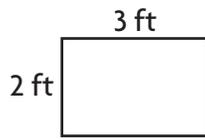
16. Which rectangles have a perimeter of 10 feet? Mark all that apply.



**A**



**B**



**C**



**D**

17. A folder is 11 inches long and 8 inches wide. Alyssa places a sticker that is 2 inches long and 1 inch wide on the folder. Choose the words that correctly complete the sentence.

To find the number of square inches of the folder that is NOT covered by the sticker,

add	the	width of the sticker	from	the	width of the sticker	
subtract		area of the sticker			by	area of the sticker
multiply		area of the folder			to	area of the folder

19. Mr. Butler posts his students' artwork on a bulletin board.

The width and length of the bulletin board are whole numbers. What could be the dimensions of the bulletin board Mr. Butler uses?



Area = 15 square feet