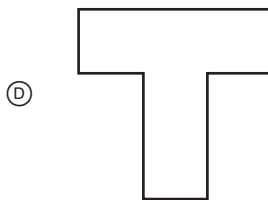
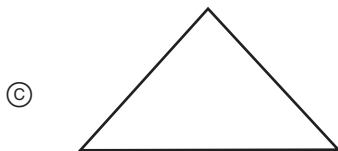
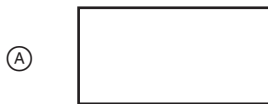


DIRECTIONS:

Choose the best of the answer choices given for each of the following problems. Fill in the circle next to your choice. You may use your calculator, ruler, and colored shapes.

12. Neil made these cutouts for a mobile. Which cutout has more than one line of symmetry?



13. Mrs. Kinney bought batteries in packs of 4 for the students' science experiments. Which of these could be the total number of batteries that she bought?

- (A) 22
- (B) 26
- (C) 28
- (D) 30



14. Hiroshi practices a different basketball skill each day, according to this pattern:

Day 1: Shooting goals

Day 2: Dribbling ball

Day 3: Catching rebounds

Day 4: Taking foul shots

Day 5: Shooting goals

Day 6: Dribbling ball

Day 7: Catching rebounds

Day 8: Taking foul shots

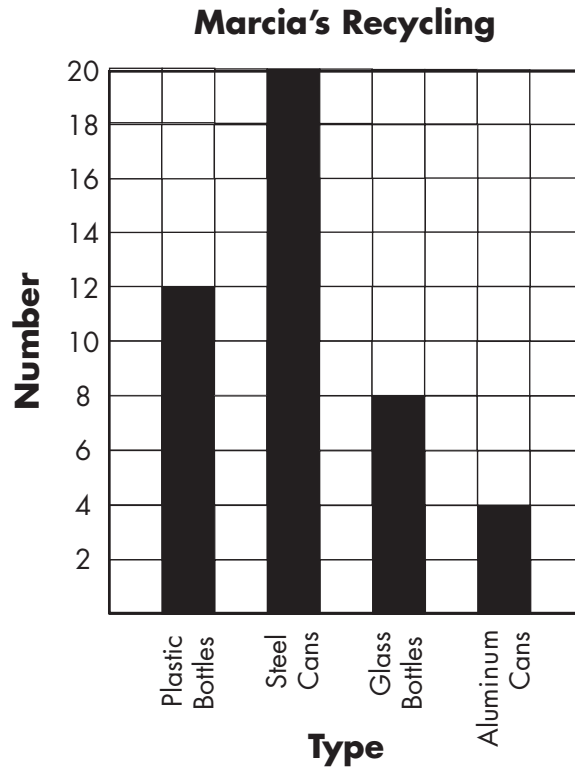
and so on.

What skill will he practice on day 21?

- (A) Shooting goals
- (B) Dribbling ball
- (C) Catching rebounds
- (D) Taking foul shots



16. This graph shows the number of each kind of item Marcia recycled last week.



How many more plastic bottles than glass bottles did Marcia recycle?

- (A) 2
- (B) 4
- (C) 8
- (D) 12

Directions for the Open-Ended Questions

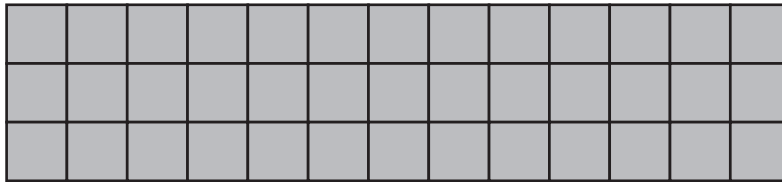
The following questions are open-ended questions. Remember to:

- Read each question carefully and think about the answer.
- Answer all the parts of the questions.
- Show your work or explain your answers.

You can answer the questions by using words, tables, diagrams, OR pictures. You may use your calculator, ruler, and colored shapes.



17. Tonya built this rectangular model using 39 tiles.



- List two number sentences this model represents.
- Tonya found one more tile. Draw a new rectangular model using all of Tonya's tiles.
- List two multiplication number sentences this new model represents.

Work area for question 17



More work area for question 17



DO NOT WRITE IN THIS AREA.



18. Jennifer has a new kitten. His name is Buddy.



Buddy

Buddy needs a collar and a bell. Jennifer is looking at collars that come in blue, red, yellow, or green and bells that come in gold or silver.

- **Show all the different combinations of collars and bells that Jennifer can make for Buddy.**

Jennifer also wants a name tag for Buddy. The name tag can be large or small.

- **How many total combinations of collars, bells, and name tags are possible? Show your work or explain your answer.**

Work area for question 18



More work area for question 18

If you have time, you may review your work in this section only.



DO NOT GO ON
UNTIL YOU ARE
TOLD TO DO SO.

DO NOT WRITE IN THIS AREA.



DIRECTIONS:

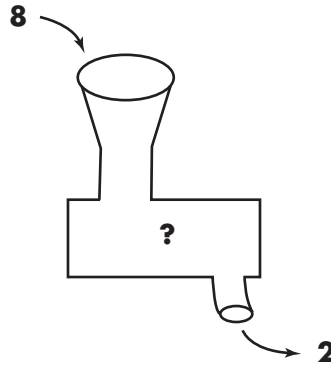
Choose the best of the answer choices given for each of the following problems. Fill in the circle next to your choice. You may use your calculator, ruler, and colored shapes.

19. What is the most reasonable estimate of the length of a city's swimming pool?

- (A) 1 meter
- (B) 25 meters
- (C) 1 kilometer
- (D) 25 kilometers



20. When 8 is dropped into this machine, it comes out as 2.



The table shows some other input and output data for the machine.

Input	8	10	15	12
Output	2	4	9	

What is the missing number in the table?

- (A) 11
- (B) 10
- (C) 6
- (D) 5



22. Students pick cards out of a hat to see what kind of book they need to read for a book report. The hat contains 5 cards with *fantasy* written on them, 2 with *biography* written on them, and 3 with *adventure* written on them. What is the probability a student will pick a card with *fantasy* written on it?

(A) $\frac{1}{10}$

(B) $\frac{2}{10}$

(C) $\frac{3}{10}$

(D) $\frac{5}{10}$

23. There are 7 desks arranged in a row in Mr. Thompson's classroom. Hector sits 2 seats to the right of Kim. Tonya sits 3 seats to the right of Hector.

How many seats to the left of Tonya does Kim sit?

(A) 2

(B) 3

(C) 5

(D) 12

