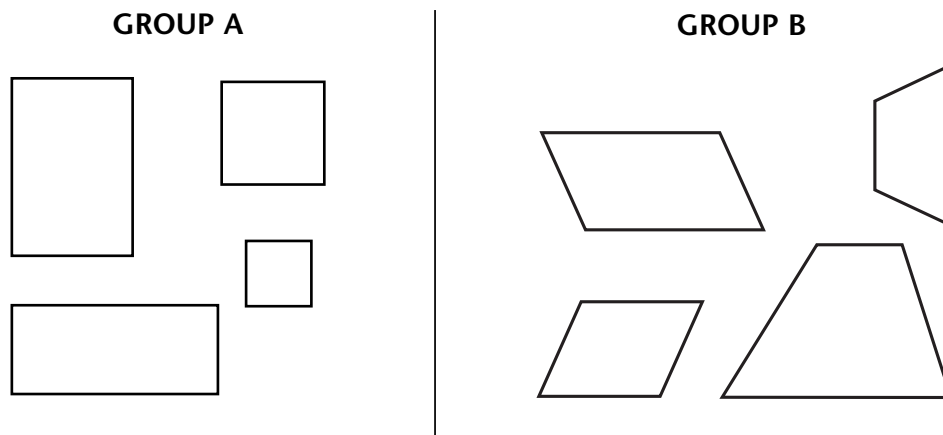


- 1 Marcus sorted the shapes below into two groups.



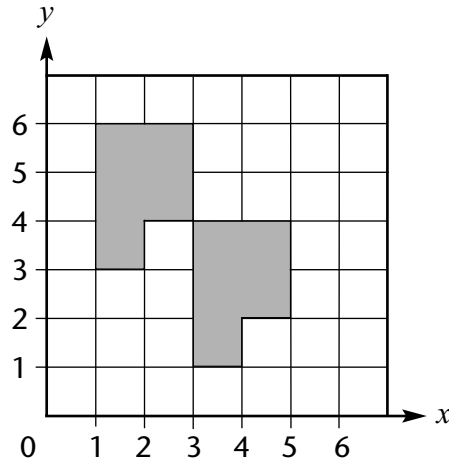
On the lines below, use geometric terms to describe one characteristic of the shapes in each group.

Group A:

Group B:

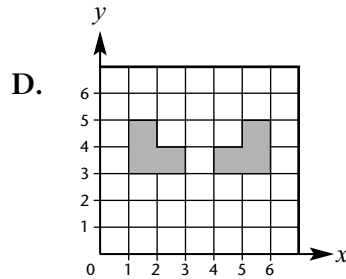
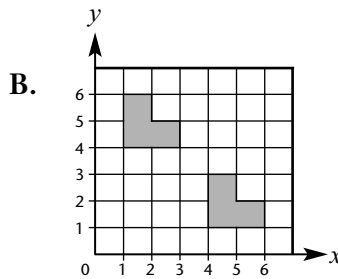
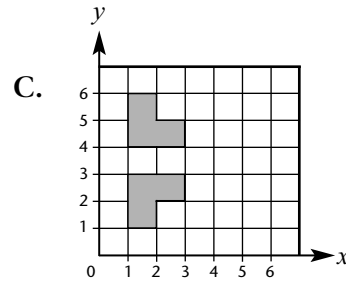
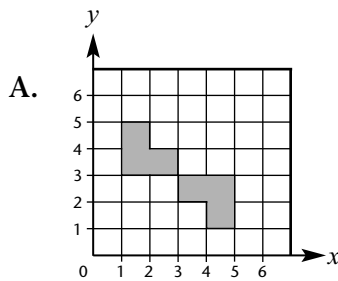
Benchmark: MA.C.1.2.1 Use appropriate geometric vocabulary to identify shapes and right angles—Exercise 2

1 Which of the following do the shaded figures show?

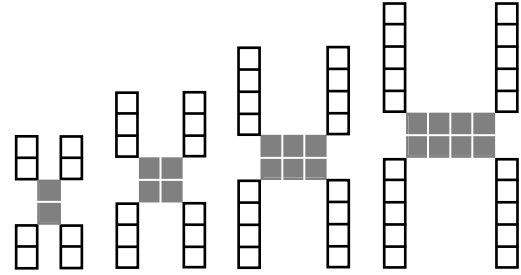


- A. a flip
- B. a slide
- C. a 90° rotation
- D. a 180° rotation

2 Which of the following shows a 180° rotation of the shaded figure?



- 1** Valerie made a design using square blocks. As shown in the diagram, the white blocks on each new design extend farther than the blocks on the previous design.



According to the pattern, how many blocks will Valerie use all together to make a design with a total of 28 white blocks?

- A. 56
 B. 46
 C. 40
 D. 34
- 2** Pablo is reading from his library book. After 10 minutes he has read 9 pages. After 20 minutes he has read a total of 20 pages, after 30 minutes he has read a total of 31 pages, and after 40 minutes he has read a total of 42 pages. If he continues to read at this rate, how many pages will Pablo have read after 60 minutes?
- A. 53
 B. 55
 C. 64
 D. 75
- 3** At a dog show, the dogs lined up on a field. There were 4 dogs in the first row, 8 dogs in the second row, 12 dogs in the third row, and 16 dogs in the fourth row. According to the pattern how many dogs were in the sixth row?

0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

- 2** Classes at Beacon Elementary held a contest to raise money for the school. The table shows how much money each class earned.

SCHOOL CONTEST

Class	K	1	2	3	4	5
Money Earned	\$250	\$175	\$200	\$300	\$375	\$250

If each \$ sign represents 25 dollars, which graph correctly shows the amount of money each class earned?

SCHOOL CONTEST

A.

K	\$\$\$\$\$\$\$\$\$\$\$\$
1	\$\$\$\$\$\$\$\$
2	\$\$\$\$\$\$\$\$
3	\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$
4	\$
5	\$\$\$\$\$\$\$\$\$\$\$\$

SCHOOL CONTEST

C.

K	\$
1	\$\$\$\$\$\$\$\$
2	\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$
3	\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$
4	\$\$\$\$\$\$\$\$\$\$\$\$
5	\$

SCHOOL CONTEST

B.

K	\$\$\$\$
1	\$\$\$
2	\$\$\$\$
3	\$\$\$\$\$\$
4	\$\$\$\$\$\$\$\$
5	\$\$\$\$

SCHOOL CONTEST

D.

K	\$\$\$\$\$\$\$\$
1	\$\$\$\$\$\$\$\$
2	\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$
3	\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$
4	\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$
5	\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$

Benchmark: MA.E.1.2.1 Solve problems using graphs and tables—Exercise 5 (continued)