

Mathematics, Grade 3

A1A3

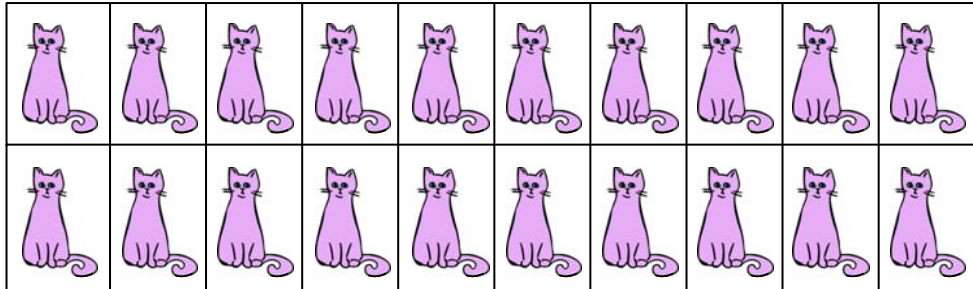
Which number would go next in this pattern?

1, 8, 1, 2, 8, 2, 3, 8, 3, _____

- A. 2
- B. 3
- C. 4
- D. 5

A2A3

Which number sentence matches these cat pictures?



- A. $4 \times 10 = 40$
- B. $5 \times 4 = 20$
- C. $2 \times 10 = 20$
- D. $2 \times 11 = 22$

A1B3

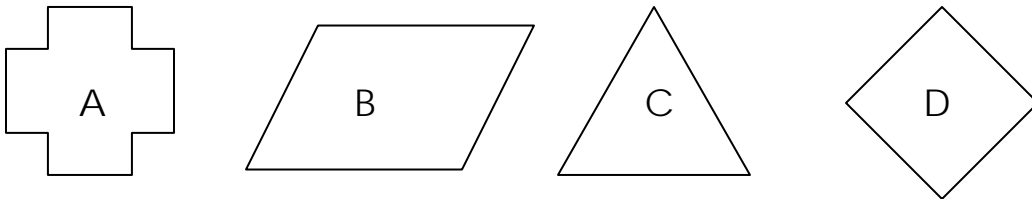
What is the missing number in the table?

In Number	3	5	7	9
Out Number	6	8	10	

- A. 9
- B. 10
- C. 11
- D. 12

G3C3

Which two shapes have four lines of symmetry?



- A. A and B
- B. B and C
- C. C and D
- D. A and D

A4A3

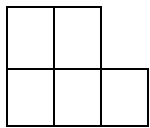
Last week, Bill’s plant was 3 inches tall. This week it is 7 inches tall. Which describes the growth of Bill’s plant?

- A. Bill’s plant has grown 3 inches since last week.
- B. Bill’s plant has grown 4 inches since last week.
- C. Bill’s plant has grown 7 inches since last week.
- D. Bill’s plant has grown 10 inches since last week.

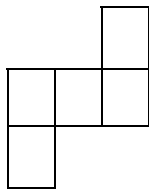
G3A3

Which two shapes are congruent?

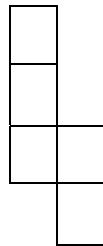
Shape A



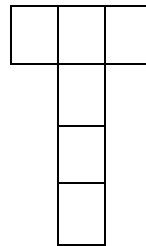
Shape B



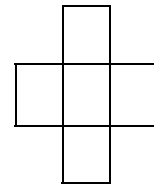
Shape C



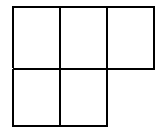
Shape D



Shape E



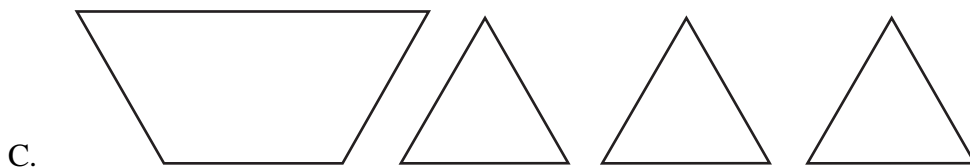
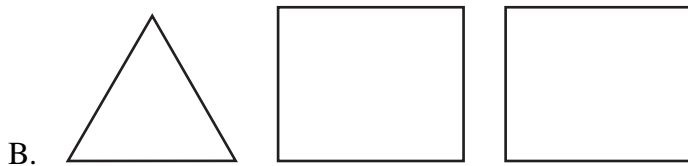
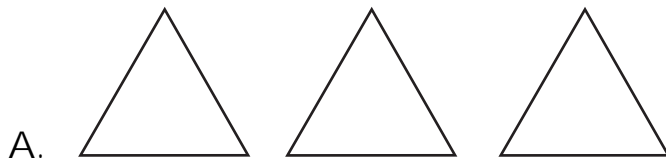
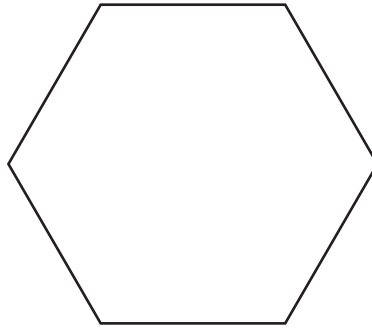
Shape F



- A. C and D
- B. B and C
- C. A and F
- D. D and F

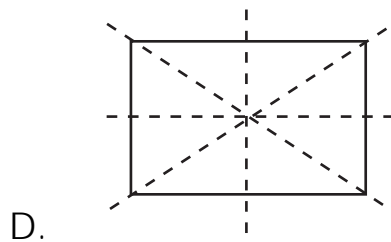
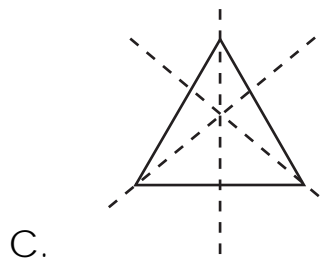
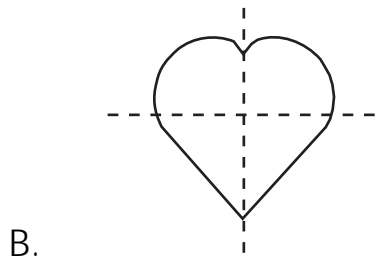
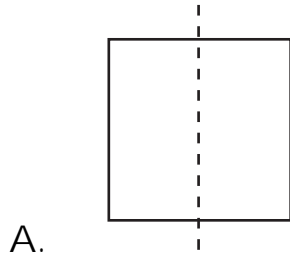
G1C3

Which group of shapes, when put together without overlapping, will make this shape?



G3C3

Choose the shape that has **all** lines of symmetry shown.



A2A3

Ten students were on the playground. All but six of them were on the swings. Which number sentence shows how many students were on the swings?

A. $10 + 6 = 16$

B. $16 - 6 = 10$

C. $10 - 6 = 4$

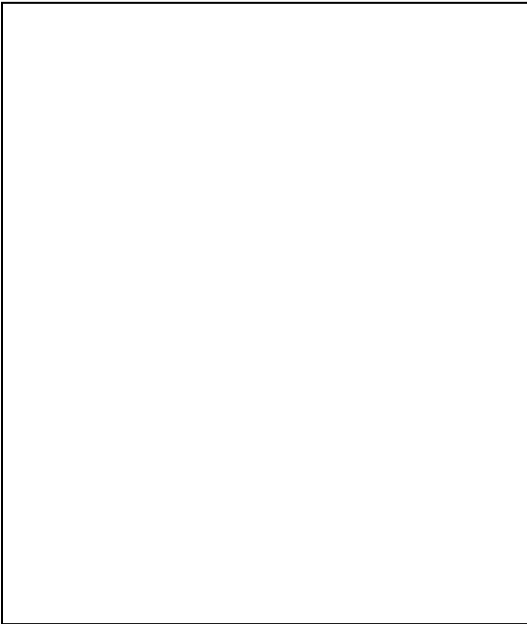
D. $10 + 4 = 14$

A3A3

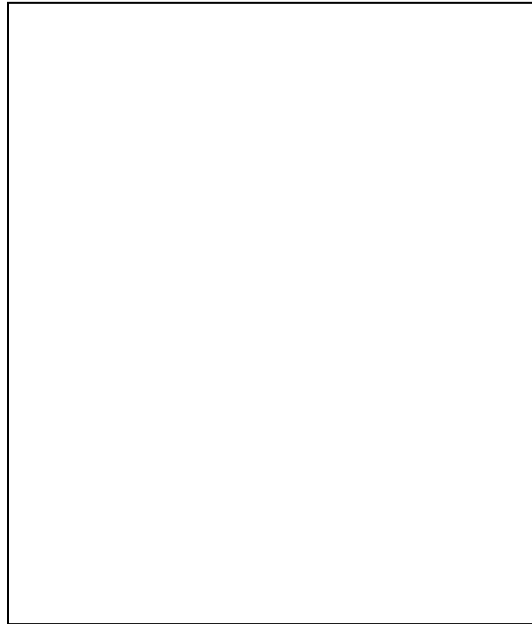
Bob and Beth each have the same kind of candy. They are trying to decide who has the most candy. Bob has arranged his pieces into 3 groups of 5 pieces each. Beth has arranged her candy into 5 groups of 3 pieces each.

Draw a picture to show each student's arrangement.

Bob's candy arrangement



Beth's candy arrangement



Do Bob and Beth have the same or a different amount of candy?

A3A3

The third grade students will go on boat rides. Each boat can carry up to 3 students. Complete the chart putting 3 students in each boat.

Number of Boats	1	2	3	4	5	6	7
Number of Students	3	6		12			

If there are 26 students in the class, how many boats will be needed so that all students in the class can ride in a boat?

Show your work in this space.

Number of boats needed for 26 students: _____

A1B3

The third grade class created a Number Machine that changes the number that is put in to a different number when it comes out. Complete the table with the last two Out Numbers.

IN	5	7	8	9	10
OUT	14	16	17		

Write the rule that explains how this Number Machine works:

A2B3

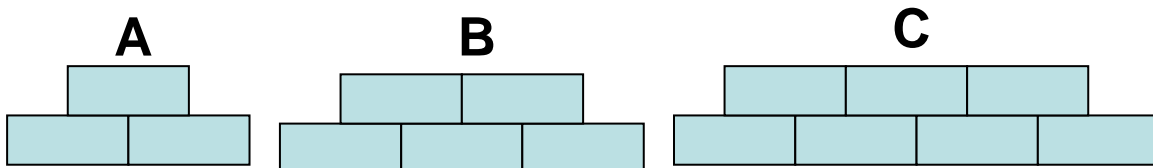
Fill in the blanks to show the commutative property of addition.

$$\underline{\hspace{2cm}} + 8 = 8 + \underline{\hspace{2cm}}$$

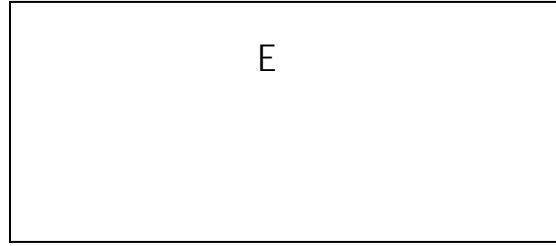
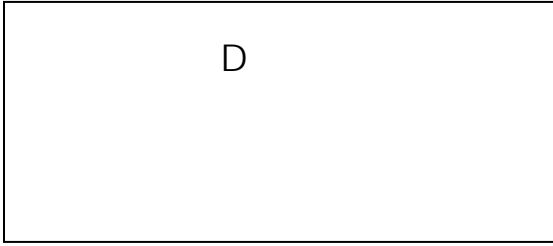
Write another equation that shows the commutative property of addition:

A1A3

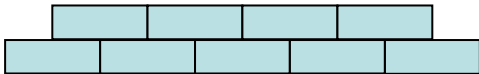
Mrs. Jason put the following shape pattern on the board.



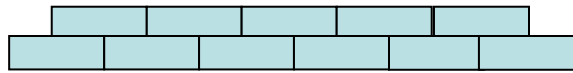
Draw the next two figures in the pattern:



D



E



Describe this pattern:

A large empty rectangular box with a black border, intended for the student to describe the pattern.