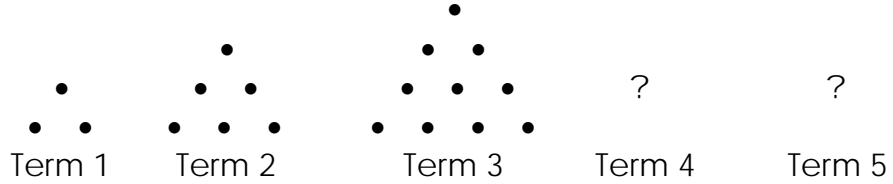


Mathematics, Grade 5

A1A5

According to the pattern shown in Terms 1, 2, and 3, how many dots will be in Term 5?



- A. 11
- B. 15
- C. 21
- D. 23

A1A5

If the pyramid pattern continues, what will be the largest number in Row 6?

Row 1	1								
Row 2	1 2 1								
Row 3	1 2 3 2 1								
Row 4	1 2 3 4 3 2 1								
Row 5	1 2 3 4 5 4 3 2 1								

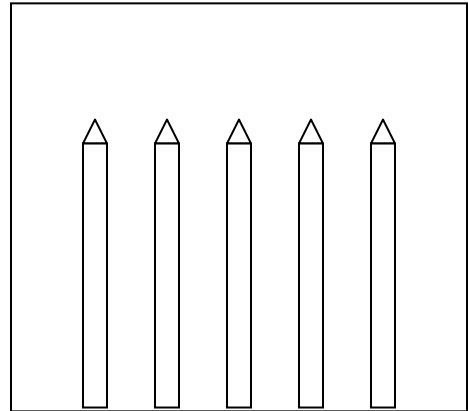
- A. 5
- B. 6
- C. 7
- D. 12

A2A5

Which number sentence represents the cost of 1 marker (M)?

- A. $M \times \$1.50 = \0.30
- B. $\$1.50 \div 5 = M$
- C. $M + \$0.30 = \1.50
- D. $\$1.50 \times 5 = M$

Box of Markers = \$1.50



A2B5

Find the equivalent expression for:

$$4(3 + 2)$$

- A. $(3 + 2) \times (3 + 2) \times 2$
- B. $12 + (3 + 2)$
- C. $(4 \times 3) + (4 \times 2)$
- D. $(4 + 3) \times (4 + 2)$

G1A5

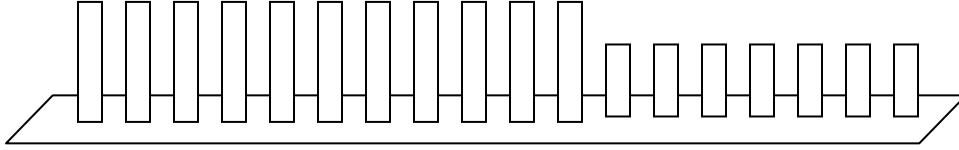
What shape do all these prisms have as a face?



- A. triangle
- B. rectangle
- C. trapezoid
- D. hexagon

A3A5

There are tall books and short books on a shelf.

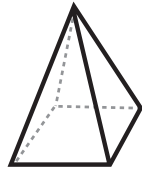


What is the fewest number of books you could remove from the shelf so that twice as many tall books as short books remain?

- A. 1
- B. 2
- C. 3
- D. 4

G1A5

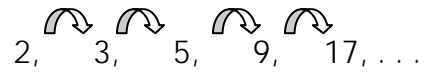
This figure has how many triangular faces?



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

A1B5

Which rule describes this pattern?



- A. the number plus 1
- B. 2 times the number, subtract 1
- C. 2 times the number, plus 1
- D. the number plus 2

A2A5

Write the next number in the pattern on the blank:

5, 15, 45, 135, _____

Write an expression that shows how to find the next number in the pattern.

A2A5

Susan's mother bought 4 boxes of ice cream bars for her to take to school on her birthday. Susan gave one ice cream bar each to each of the two secretaries, one to her principal, and one to her teacher. Then she had 28 bars left.

Write a number sentence to find how many ice cream bars Susan brought to school.

How many ice cream bars were in each box when Susan's mother bought them?

_____ ice cream bars

A2A5

Annie owns 5 apple orchards. Each orchard has 6 rows of apple trees with 3 trees in each row. Draw a diagram and write an expression to show how many apple trees Annie has in all.

Show your work inside this box.

Expression: _____

A1B5

Look for a pattern in these figures of hearts.



Figure 1



Figure 2



Figure 3

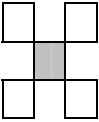
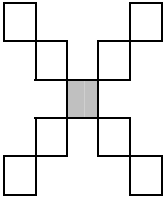
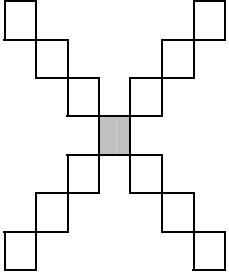
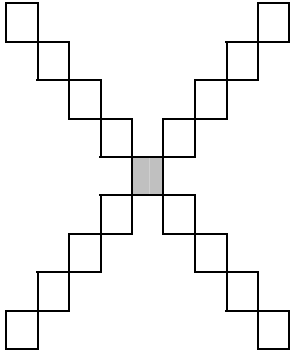
Figure 4

If the pattern continues, which figure will have 21 hearts? Show how you got your answer

Figure _____ will have 21 hearts.

A3A5

Pat’s Tile Company was hired to build a patio that included some decorative tiles. Pat proposed the four designs shown below. The dark tile in the center is a special tile that costs more than the regular white tiles.

<u>Design Number</u>	<u>Cost</u>	
1	\$9	
2	\$13	
3	\$17	
4	\$21	

If the pattern continues, how much would design 7 cost? Show your work in the box below.

Design 7 would cost: _____