

Name: _____

Date: _____

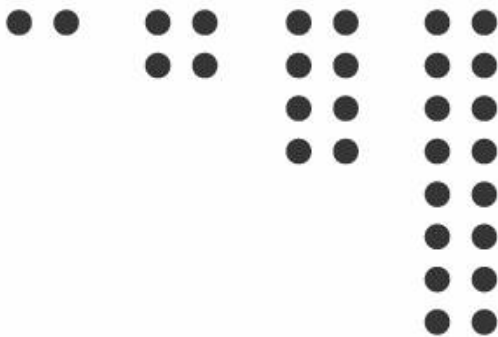
1. Follow the pattern "divide by 4, then subtract 4" to complete the table below.

16	0
24	2
40	6
60	

Which number completes the table?

- A. 8
- B. 10
- C. 11
- D. 12

2. The first four figures in a pattern are shown.



If the pattern continues to double the number of dots, what will be the total number of dots in the 6th figure in the pattern?

- A. 128
- B. 64
- C. 32
- D. 14

3. The pictograph below shows the amount of money each fourth-grade class raised for an animal shelter.

Amount Raised by Each Class	
Class	Amount Raised
Ms. Smith	\$ \$ \$ \$ \$ \$
Mr. Powell	\$ \$ \$ \$
Ms. Carly	\$ \$ \$ \$ \$ \$ \$ \$
Mr. Roper	\$ \$ \$ \$ \$ \$

If Mr. Powell's class raised \$20 and Mr. Roper's class raised \$30, how much money does one  represent?

- A. \$1
- B. \$4
- C. \$5
- D. \$20

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4. The table below shows the number of milligrams of sodium in each of three different sizes of a soft drink.

**Sodium Amounts in
Soft Drink Sizes**

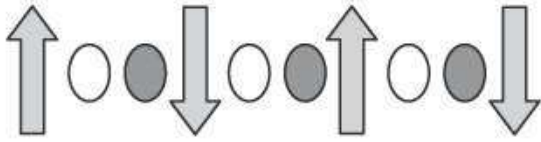
Drink Size (fluid ounces)	Sodium Amount (milligrams)
8	36
12	54
16	72

Based on the pattern in the table, what is the total number of milligrams of sodium in a 24-fluid-ounce cup of the soft drink?

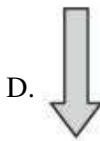
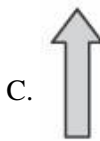
- A. 90 mg
- B. 108 mg
- C. 126 mg
- D. 144 mg

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5. The first ten shapes in a pattern are shown below. Lionel is making the pattern by repeating the first six shapes in the same order as shown in the picture.



If Lionel continues the pattern in the same way, what will be the 16th shape in the pattern?



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6.

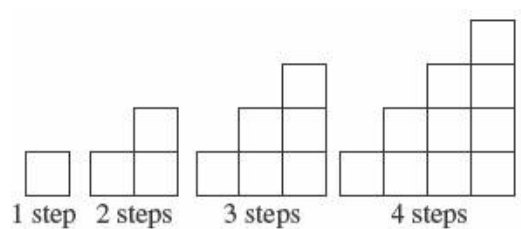
Alex counted the number of cars in different parking lots.

42, 30, 12, 36, 18, 24, 72

Which is true about Alex's data?

- A. All of the numbers are multiples of 4.
- B. All of the numbers are multiples of 5.
- C. All of the numbers are multiples of 6.
- D. All of the numbers are multiples of 7.

7. The first four figures in a pattern are shown below.



If the pattern continues this way, how many blocks are needed to make 6 steps?

- A. 15
- B. 18
- C. 21
- D. 23

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8.

Which operations make the following equation true?

$$(5 \quad 3) + (6 \quad 2) = 27$$

- A. $\times$, $+$
- B. $+$, $\times$
- C. $\times$, $\times$
- D. $+$, $+$

9. On a test, Hannah scored 8 points higher than Todd. On the same test, Hannah scored 7 points lower than Juanita.

- H represents Hannah's score on the test.
- T represents Todd's score on the test.
- J represents Juanita's score on the test.

Based on the information above, which of the following must be true?

A. $J < T$

B. $T < J$

C. $H > J$

D. $J < H$

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Answer Key

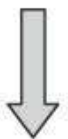
1. C) 11

2. B) 64

3. C) \$5

4. B) 108 mg

5. D)



6. C) All of the numbers are multiples of 6.

7. C) 21

8. C) $\times, \times$

9. B) $T < J$