

46










Picture Graphs


D.2.B D.2.C D.2.D D.4.B D.4.D D.5.A D.5.C D.6.C D.6.D

Example

Students in Ms. Jackson's class keep track of how many books they read. Of the four students below, who read exactly 8 books?


Books Read


Hunter	 
Serena	  
Anna	   

Each  = 2 books


- A. Hunter
- B. Serena
- C. Anna


Thinking It Through


Skim Make sure you read the key to know how many books each  represents.

According to the chart, each  = 2 books read. This means that for each book next to a student's name, he or she has read 2 books.

Multiply the number of books next to each student's name by 2. The product that is 8 will be the correct answer.

$$\text{Hunter: } 2 \text{  } \times 2 = 4 \text{ books}$$


$$\text{Serena: } 3 \text{  } \times 2 = 6 \text{ books}$$

$$\text{Anna: } 4 \text{  } \times 2 = 8 \text{ books}$$

Anna read 8 books. The correct answer is C.

Review

- A **picture graph** uses pictures or symbols to show information.
- The **key** tells what each picture represents. When making a picture graph, choose a key that makes the picture graph easy to read.
- To find how many in a picture graph, multiply the number of pictures by what each picture represents.
- If $\frac{1}{2}$ of a picture appears, divide what each picture represents by 2. That will be the value of a $\frac{1}{2}$ picture.





In the Example,  would represent 1 book.


Picture Graphs

Directions: Carefully read each question. Fill in the circle next to the correct answer.

Use the picture graph to answer questions 1 and 2.





The picture graph shows the number of raffle tickets that were sold by four students in Mr. Pinto's class.


Raffle Tickets Sold	
Student	Tickets Sold
Nelson	
Janet	
Keyshawn	
Alison	

Each  = 2 Tickets





- Which sentence is true?
 - A. Alison sold the most tickets.
 - B. The students sold a total of 12 tickets in all.
 - C. Janet sold 4 more tickets than Keyshawn.
- How many raffle tickets did Alison and Janet sell altogether?
 - A. 7
 - B. 14
 - C. 28


- On the last math test, 24 students received an A, 20 students received a B, 30 students received a C, and 14 students received a D. Which picture graph correctly displays the data?
 - A.

Grades on Math Test	
Grade	Students
A	
B	
C	
D	





Each  = 4 students


A.

Grades on Math Test	
Grade	Students
A	
B	
C	
D	

Each  = 5 students

B.

Grades on Math Test	
Grade	Students
A	
B	
C	
D	

Each  = 8 students

C.



Remember: a $\frac{1}{2}$ symbol represents half what the key represents.