

SUNSHINE MATH - 3  
Mars, XXV

Name: \_\_\_\_\_

(This shows my own thinking.)

- ★★ 1. Find the value of ■ and ▲. Use the two number sentences below for clues.

$$\blacksquare + \blacksquare + \blacktriangle = 12 \quad \text{and also} \quad \blacktriangle + \blacktriangle + \blacksquare = 15$$

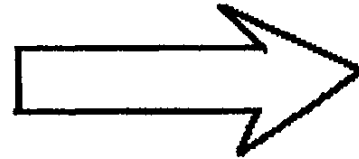
Answer: ■ is \_\_\_\_\_ ▲ is \_\_\_\_\_

- ★★★ 2. Write the answers in the \_\_\_\_\_ in each sentence below.

- a. Paul saw 5 chickens and 6 cows.  
He saw \_\_\_\_\_ legs in all.
- b. Sue counted 26 legs.  
She saw 4 cows and \_\_\_\_\_ chickens.
- c. Pam counted 40 legs.  
She saw \_\_\_\_\_ cows and 8 chickens.



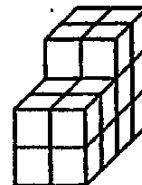
- ★★ 3. Estimate the length of the arrow in centimeters. Then measure the arrow with a ruler. Record both answers.



Answer: Estimate: \_\_\_\_\_ cm

Actual: \_\_\_\_\_ cm

- ★★★ 4. Count the cubes to find the *volume* of the steps. Remember there are some cubes you cannot see.



Answer: The volume is \_\_\_\_\_ cubes.

- ★ 5. Study the sequence and fill in the missing numbers.

1, 7, 5, 11, 9, 15, 13, \_\_\_\_\_, \_\_\_\_\_, 23, \_\_\_\_\_

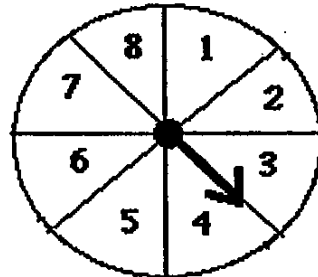
- ★★★ 6. Pam's mother baked a pie for her family. It was divided into 6 pieces. Pam's Dad ate  $\frac{1}{2}$  of the pie. Mom ate  $\frac{1}{3}$  and Pam ate  $\frac{1}{6}$  of the pie. How many pieces did each person eat?



Answer:

Dad: \_\_\_\_\_ pieces; Mom: \_\_\_\_\_ pieces; Pam: \_\_\_\_\_ pieces.

- ★★★ 7. This spinner is divided into 8 parts. Sally and her friends are going to use it to play "Spin the Sum." Study the spinner and the questions. Write your answer as a fraction:



- a. What are the chances of getting a spin higher than 4?
- b. What are the chances of getting a spin higher than 6?
- c. What are the chances of getting a spin lower than 4?
- ★★★ 8. Make 3 rectangles with different lengths and widths. Each rectangle should have an area of 24 's.

