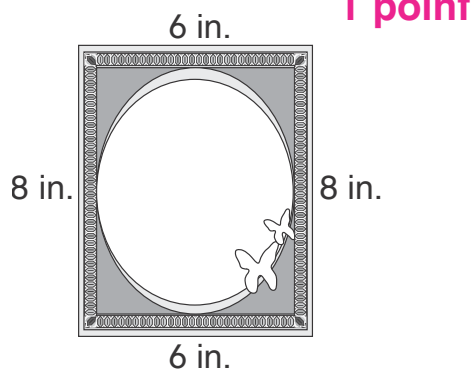


Name \_\_\_\_\_

1. A picture frame has a length of 8 in. and a width of 6 in. What is the total distance around the frame? Use the image below for help.



Distance around: **28** in.

2. Morgan is 46 inches tall. Jesse is 5 inches shorter than Morgan. Brad is 6 inches taller than Jesse.

**1 point**

How tall is Brad?

- Ⓐ 35 in.      Ⓒ 52 in.  
Ⓑ 47 in.      Ⓓ 57 in.

3. Nick has a ribbon that is 8 yards long. Sofia's ribbon is 14 yards long. Pablo's ribbon is 4 yards longer than Sofia's ribbon.

Use the measurements on the cards to complete each sentence. **2 points**

6  
yards

10  
yards

18  
yards

Pablo's ribbon is **18 yards** long.

Nick's ribbon is **6 yards** shorter than Sofia's ribbon.

Pablo's ribbon is **10 yards** longer than Nick's ribbon.

4. Jake's mother drives 16 miles. Then she drives 8 more miles.

Use the number line to find how far Jake's mother drives. Then explain your work. **2 points**



**24 miles; Sample**

**answer: Start at 0.**

**Draw an arrow to 16.**

**Then, from 16, count up 8 more spaces**

**to 24.**

5. Margo says that each unknown equals 36 cm. Do you agree? Choose Yes or No. **1 point**

$$56 \text{ cm} + ? = 92 \text{ cm}$$

Yes       No

$$62 \text{ cm} - 26 \text{ cm} = ?$$

Yes       No

$$? + 45 \text{ cm} = 71 \text{ cm}$$

Yes       No

6. Seth got a pet snake that was 32 cm long. Now the snake is 56 cm long. How many centimeters did the snake grow? **1 point**

(A) 88 cm

(B) 36 cm

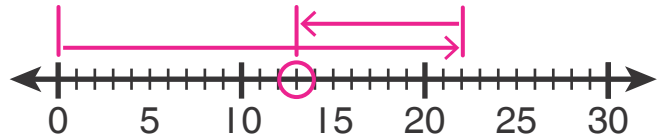
(C) 33 cm

(D) 24 cm

7. Robin runs 22 miles in all on Saturday and Sunday. She runs 9 miles on Sunday. How many miles does she run on Saturday? Write an equation to show the unknown. Then use the number line to solve. **2 points**

$$\underline{22} - \underline{9} = \underline{?}$$

13 miles **Sample equation and work shown.**



8. Jason has 19 inches of wire. He cuts off 9 inches. How much wire is left?

- A. Which of these tools could you use to solve the problem? Choose all that apply. **1 point**

- centimeter ruler
- paper and pencil
- number line
- inch ruler
- measuring cup

- B. Write an equation to show the unknown. Draw a number line to solve. **2 points**

$$\underline{19} - \underline{9} = \underline{?}$$

**Sample equation given.**

**Check students' drawings.**  
10 in.