

**Everyday Math, Grade 5**  
**Chapter 10 Review**

**Part A.**

Jasmine earns  $X$  dollars per hour.

1. John earns \$6 per hour more than Jamie. How much does he earn per hour? (Circle the answer.)

- $6 * X$        $X - 6$        $X + 6$        $X + X$

2. Jasmine's uncle earns twice as much per hour as Jasmine. How much does he earn per hour? (Circle the answer.)

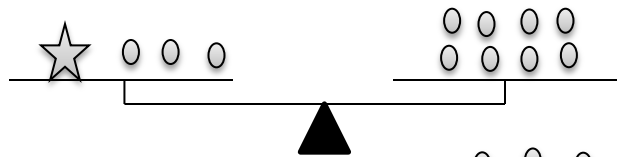
- $2 * X$        $X - 2$        $\frac{1}{2} * X$        $2 + X$

3. Write an expression that shows how much Jasmine earns in 40 hours.

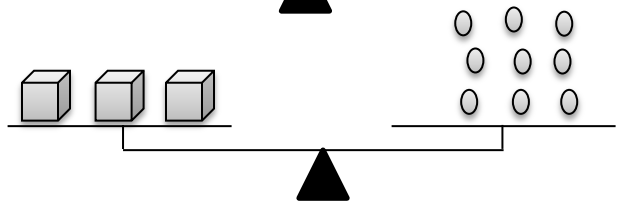
\_\_\_\_\_

Solve the pan-balance problems below.

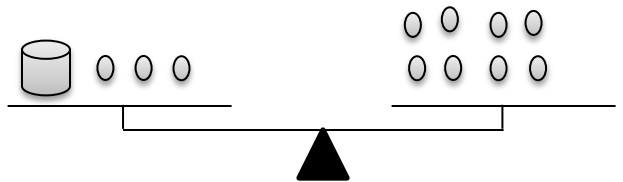
4. One star weighs as much as \_\_\_\_\_ marbles.



5. One block weighs as much as \_\_\_\_\_ marbles.



6. One cylinder weighs as much as \_\_\_\_\_ marbles.



7. Melissa wrote an equation and covered one number.

$17 + 9 = \square + 13$

What is the covered number? \_\_\_\_\_

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To solve each of the following problems, would you need to find the circumference, perimeter, or area? (Circle the answer.)

- |  |               |      |
|--|---------------|------|
| 8. Sarah ran around a circular track 30 times. How far did she run?  | Circumference | Area |
| 9. Jesse needs to build a fence around the backyard for his dog. How many feet of fencing should he buy?   | Perimeter     | Area |
| 10. The 4 <sup>th</sup> grade is planting flowers in the gardens. They want to plant one tulip for every 2 square feet. How many tulips should they buy? | Perimeter     | Area |

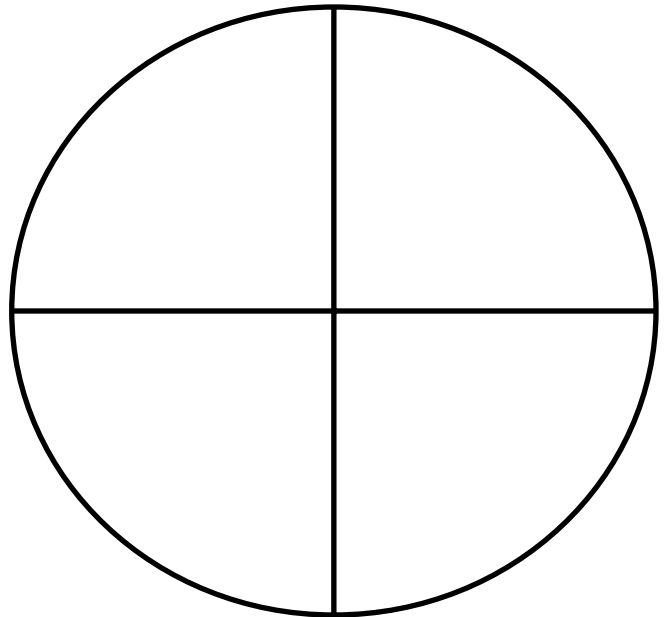
Part B.

$$\text{Circumference of a circle} = \pi * \textit{diameter}$$

$$\text{Area of a circle} = \pi * \textit{radius}^2$$

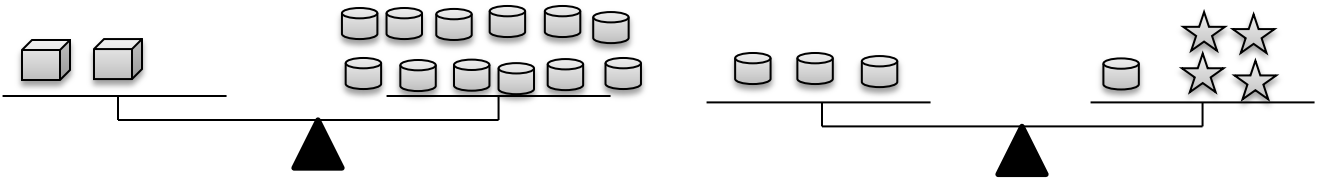
Complete each of the following sentences, rounding each answer to the nearest centimeter. Use the  $\pi$  key on your calculator or use 3.14 as an approximation for  $\pi$ .

- The diameter is about \_\_\_\_\_ cm.
- The radius is about \_\_\_\_\_ cm.
- The circumference is about \_\_\_\_\_ cm.
- The area is about \_\_\_\_\_  $\text{cm}^2$ .



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15. Rick set up a pan balance. He found that 2 blocks balance 12 cylinders. He then used the pan balance to find that 3 cylinders balance 1 cylinder and 4 stars.

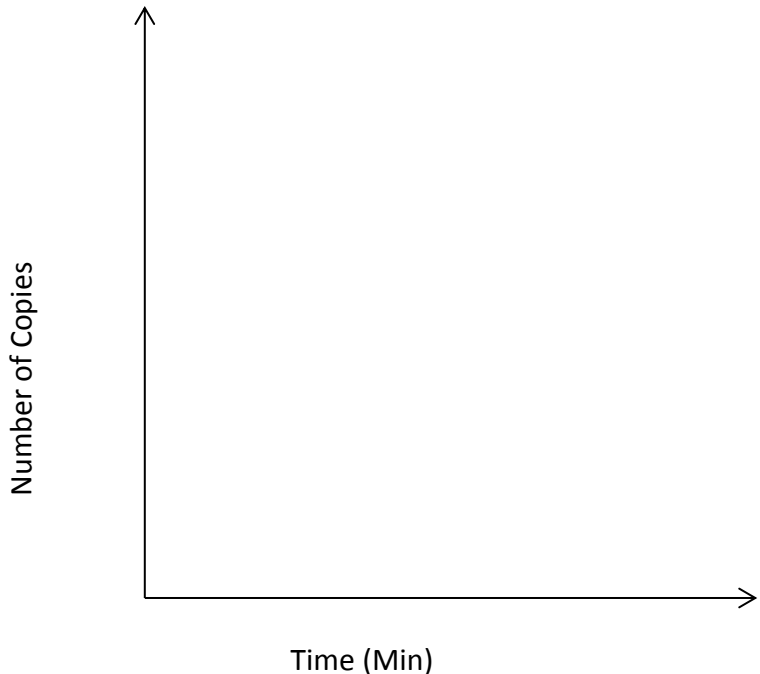


- a. One block weighs as much as \_\_\_\_\_ stars.
- b. One block weighs as much as \_\_\_\_\_ cylinders.

16. The copy machine in the school office can make 60 copies per minute. This is given below as a rule. Complete the table. Then graph the data in the table.

Rule: Number of copies = 60 \* number of minutes

Time (Min)	Number of Copies
1	
	120
5	
	180
4.5	
	360



17. Ms. Jones needs to make 125 copies. About how long will that take her? \_\_\_\_\_