

Grade 5 Patterns, Functions, and Algebra Goal: Determine whether number sentences are true or false; solve open number sentences and explain the solutions; use a letter variable to write an open sentence to model a number story; use a pan-balance model to solve linear equations with one unknown.

# Unit 10: Write algebraic expressions to represent situations.

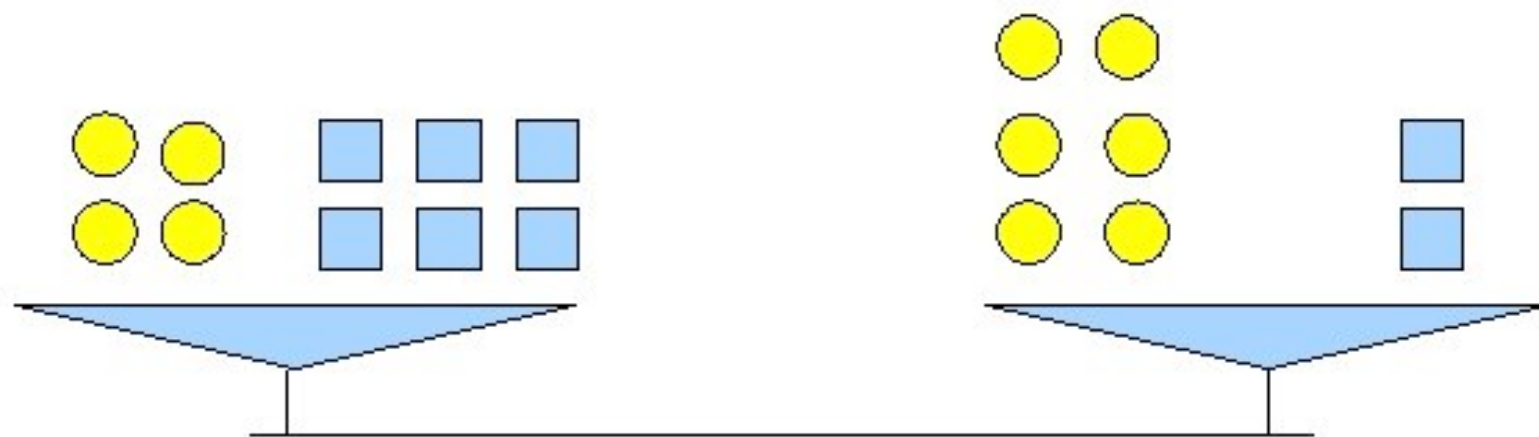
Match the situations to the algebraic expressions that represent them.

The cost of rent is  $N$  dollars per month.

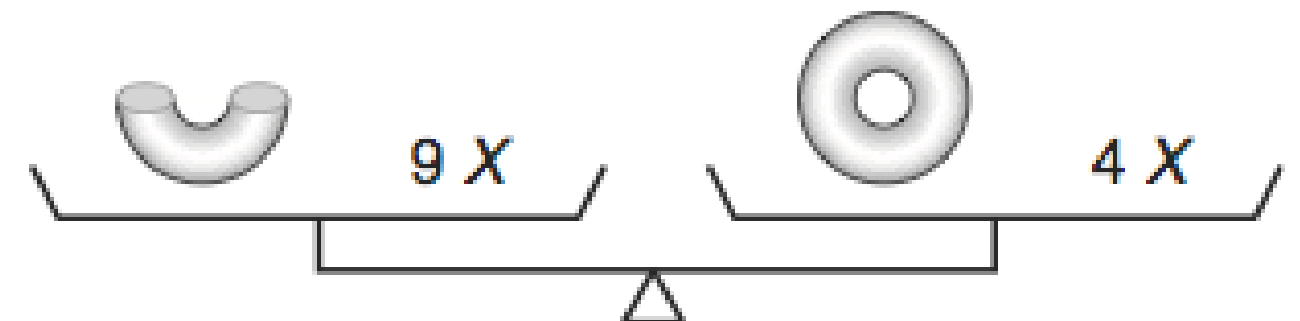
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|---|----------------|
| 1. Michael will split the monthly rent with three roommates | A. $\$100 + N$ |
| 2. The monthly rent is increased by \$100                   | B. $N \div 2$  |
| 3. The monthly rent is doubled                              | C. $N * 2$     |
| 4. The monthly rent is decreased by \$100                   | D. $N \div 4$  |
| 5. Michael and his brother share the monthly rent           | E. $N - \$100$ |

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# Unit 10: Solve one-step pan- balance problems.



$$1 \text{ yellow circle} = \underline{\hspace{2cm}} \text{ blue square}$$

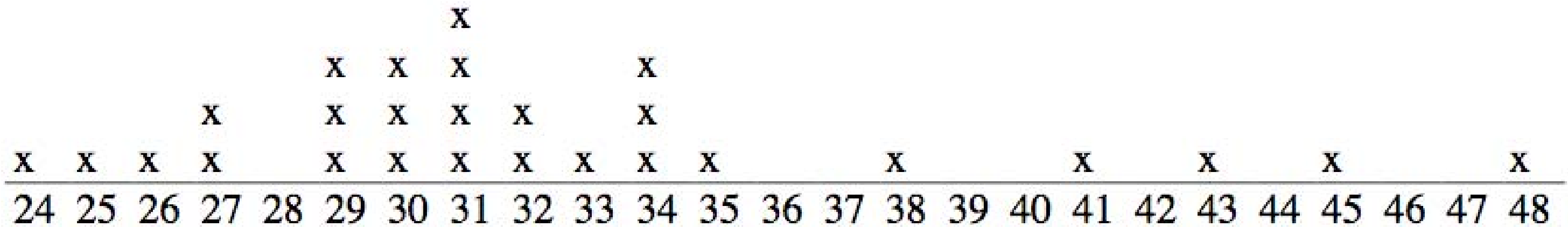


One doughnut weighs

as much as \_\_\_\_\_ Xs.

Grade 5 Data and Chance Goal: Use the maximum, minimum, range, median, mode, and mean and graphs to ask and answer questions, draw conclusions, and make predictions.

# Unit 10: Interpret mystery line plots and graphs.



Mr. Johnson asked his class a question and collected the above data. Write a question that Mr. Johnson could have asked according to the data he collected.

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Grade 5 Measurement Goal: Describe and use strategies to find the perimeter of polygons and the area of circles; choose and use appropriate formulas to calculate the areas of rectangles, parallelograms, and triangles, and the volume of a prism; define pi as the ratio of a circle's circumference to its diameter.

## Unit 10: Distinguish between circumference and area of a circle.

Juan is making his mother a special beaded bracelet. To be sure that it fits, he needs to know the \_\_\_\_\_ of her wrist.

- A. Radius
- B. Area
- C. Height
- D. Circumference

Describe a situation where you would need to know the area but not the perimeter of a space.