

Homework

Activity 1

Select the algebraic pattern that matches the type of number.

- An even number (n is any integer)
 - $2 + n$
 - $2 \cdot n$
 - $2 - n$
- An odd number (n is any integer)
 - $2 + n \cdot 1$
 - $2 + n + 1$
 - $2 \cdot n + 1$
- A prime number (n is any integer)
 - divisible only by n and 1
 - divisible only by 2
 - divisible only by 1, 2, and n

Activity 2

Tell which is the bigger percent increase.

- Plant A** was 4 inches tall and grew 1 inch.
Plant B was 5 inches tall and grew 2 inches.
Which plant had the bigger percent increase in growth?
- City A** normally has 5 clear days in April and had 1 extra clear day this year.
City B normally has 3 clear days in April and had 3 extra clear days this year.
Which city had the bigger percent increase in clear days?
- Rebecca** was 48 inches tall and grew 1 inch.
Charlie was 52 inches tall and grew 1 inch.
Which student had the bigger percent increase in height?



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Activity 3

Tell if the problems are proportion problems, unit rate problems, or best deal problems.

1. You are doubling a recipe that calls for 2 cups of water and 1 cup of sugar.
2. You are comparing 3 packs of gum for \$4 and 2 packs of gum for \$3.
3. Batteries are sold in a 12-pack for \$12.99. You want to know how much for just 1 battery.
4. You are mixing green paint using 2 parts blue and 1 part yellow. You need 4 times that amount to finish the room.
5. ABC Grocery sells a dozen donuts for \$3.99. You want to know how much 1 donut costs.

Activity 4 • Distributed Practice

Solve.

1. $100.01 - 99.989 = a$
2. $\frac{5}{8} \cdot \frac{4}{10} = b$
3. $12.75 \div 3 = c$
4. $\frac{3}{9} + \frac{4}{6} = d$
5. Write the decimal number 0.001 as a fraction.
6. Write the fraction $\frac{1}{9}$ as a repeating decimal number.
7. Write 40% as a fraction.
8. Write 100% as a decimal number.