

1. What is $1 \times 2 + 3 \times 4$?
2. Pranno's rectangular food court is 100 meters wide and 300 meters long. What is the area, in square meters, of his food court?
3. Arvin, Benjamin, and Andrew are going to eat 40 apples in total to celebrate Thanksgiving. Benjamin will eat twice as many apples as Arvin, and Arvin will eat 3 times as many apples as Andrew. How many apples will Benjamin eat?
4. The sum of two prime numbers is 9. Calculate their product.
5. Surya has 10 turkeys on his turkey farm. The ratio of girl to boy turkeys is 3 to 2. How many more girl turkeys does he have than boy turkeys?
6. The factorial, or $!$, is defined as the product of all positive integers less than or equal to the given number. For example $4! = 4 \times 3 \times 2 \times 1 = 24$ and $2! = 2 \times 1 = 2$. What is the remainder when $6!$ is divided by 18?
7. The ratio of the surface area of a pumpkin to its volume is $\frac{13}{3}$. What is the surface area of a pumpkin with volume 27?
8. What is the next number in the sequence 1, 1, 2, 3, 5, 8, 13?