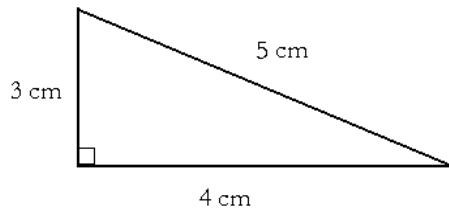


1. Round 127 095 752 to the nearest thousand.
2. Find the average of 2, 5, 13, 4, and -19 .
3. Consider the following numbers: 725, 444, 5022, 123 456, 2727.
 - (a) Find all numbers from the list that are divisible by 4.
 - (b) Find all numbers from the list that are divisible by 3.
 - (c) Find all numbers from the list that are divisible by 12.
4. Find the sum of the prime numbers between 40 and 50.
5. List all factors of 136.
6. Consider the right triangle shown on the picture.



- (a) Find the perimeter of the triangle.
 - (b) Find the area of the triangle.
7. A, B, and C work together and make \$30,000. They will split the money into six equal shares. A will take three shares, B will take two shares, and C will take one share. How much money does A, B, and C take home?
 8. Perform the following operations. Show all steps.
 - (a)
$$\frac{-4 + (-2)^3 + (-12) + (-2)(-3)}{(-3) + (-3)^2} =$$
 - (b)
$$\frac{12 - |6 + (-11)| + |11 + (-6)| - |2^3 + (-11)|}{-2^2 + 1} =$$
 - (c)
$$\frac{|4 - 2| + |2 + (-4)| - |(-5) + 3| + |2| + |-2|}{-2^2 + (-2)^2 + 10 - 6 - (-2) \div (-2)} =$$
 9. Let $x = -3$, $y = 4$, and $z = -1$. Evaluate the following expressions.
 - (a) $y^2 + x + z - 2(x + y)^2 + (x + z) =$
 - (b) $2y + 3(x + y) + z + y + 1 =$
 10. Solve the following equations. Make sure to check your solutions.

(a) $2x + 3 = 17$

(b) $\frac{a - 3}{2} = 5$

(c) $9z - 98 = 1$

11. Is 5 a solution of the equation $x^2 + 1 = 3(x + 4) - 1$?