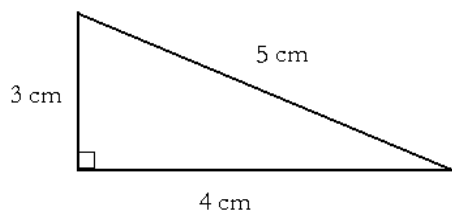


- Round 127 095 752 to the nearest thousand. **127 096 000**
- Find the average of 2, 5, 13, 4, and -19 . **1**
- Consider the following numbers: 725, 444, 5022, 123 456, 2727
 - Find all numbers from the list that are divisible by 4. **444, 123 456**
 - Find all numbers from the list that are divisible by 3. **444, 5022, 123 456, 2727**
 - Find all numbers from the list that are divisible by 12. **444, 123 456**
- Find the sum of the prime numbers between 40 and 50. **131**
- List all factors of 136. **1, 2, 4, 8, 17, 34, 68, 136**
- Consider the right triangle shown on the picture.



- Find the perimeter of the triangle. **$P = 12$ cm**
 - Find the area of the triangle. **$A = 6$ cm²**
- 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? **A takes \$15 000, B takes \$10 000 C takes \$5000**
 - Perform the following operations. Show all steps.

$$(a) \frac{-4 + (-2)^3 + (-12) + (-2)(-3)}{(-3) + (-3)^2} = \mathbf{-3}$$

$$(b) \frac{12 - |6 + (-11)| + |11 + (-6)| - |2^3 + (-11)|}{-2^2 + 1} = \mathbf{-3}$$

$$(c) \frac{|4 - 2| + |2 + (-4)| - |(-5) + 3| + |2| + |-2|}{-2^2 + (-2)^2 + 10 - 6 - (-2) \div (-2)} = \mathbf{2}$$

- Let $x = -3$, $y = 4$, and $z = -1$. Evaluate the following expressions.

$$(a) y^2 + x + z - 2(x + y)^2 + (x + z) = \mathbf{6}$$

$$(b) 2y + 3(x + y) + z + y + 1 = \mathbf{15}$$

- Solve the following equations. Make sure to check your solutions.

$$(a) 2x + 3 = 17 \quad \mathbf{7}$$

(b) $\frac{a-3}{2} = 5$ 13

(c) $9z - 98 = 1$ 11

11. Is 5 a solution of the equation $x^2 + 1 = 3(x + 4) - 1$? $26 = 26 \implies$ yes