1) Make 34___divisible by 4.

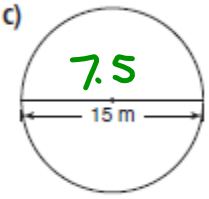
2) $\frac{a}{3} = 5$

3) 25% of $8.00

4) 2m + 3 = 7, m= ?

5) Write the expression in words: 2b + 7

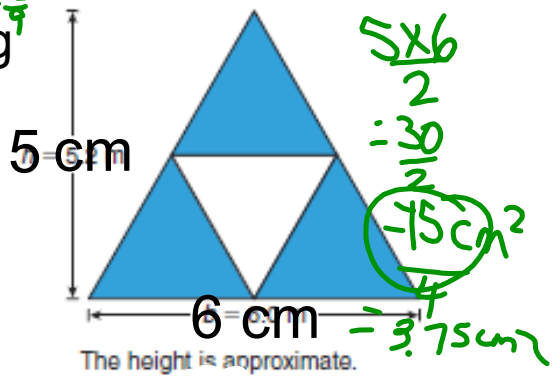
6) What is the radius?



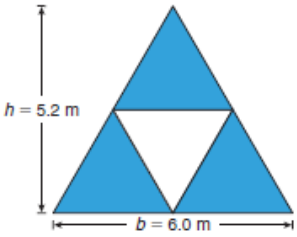
7) (-8) + (-9) =

8) Which is greater - 1/9 or 1/3?

9) What is the area of each triang



10) Write the expression:
2 less than 3 times a number



The height is approximate.

Solve each equation using algebra.

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1. Solve each equation. Verify the solution.

a) $x - 27 = 35$

b) $11x = 132$

c) $4x + 7 = 75$

2. Write, then solve, an equation to find each number. Verify the soluti

a) Nineteen more than a number is 42.

b) Ten more than three times a number is 25.

c) Fifteen more than four times a number is 63.

3. Five years after Jari's age now doubles, he will be 27. How old is Jari

a) Write an equation you can use to solve the problem.

b) Solve the equation. Show the steps. How old is Jari?

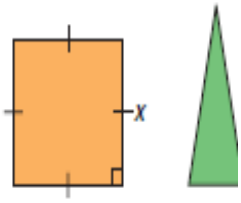
c) Verify the solution.

4. Jenny baby-sat on Saturday for \$6/h. She was given a \$3 bonus.
How many hours did Jenny baby-sit if she was paid \$33?
a) Write an equation you can use to solve the problem.
b) Solve the equation. How many hours did Jenny baby-sit?
c) Verify the solution.

$6h+3=33$

5. In x weeks and 4 days, the movie *Math-Man IV* will be released.
The movie will be released in 25 days. Find the value of x.
a) Write an equation you can use to solve the problem.
b) Solve the equation. Verify the solution.

6. Look at the square and triangle on the right.
The sum of their perimeters is 56 cm.
The perimeter of the triangle is 24 cm.
What is the side length of the square?
a) Write an equation you can use to find the side length of the square.
b) Solve the equation. Verify the solution.



3☺ + 2☺ = 5☺

5☺ + 2☺

3d + 1a

3m + 2m = 5m

9. **Take It Further** The nth term of a number pattern is $9n + 1$.
What is the term number for each term value?

a) 154 b) 118 c) 244

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2 less than 3 times a number