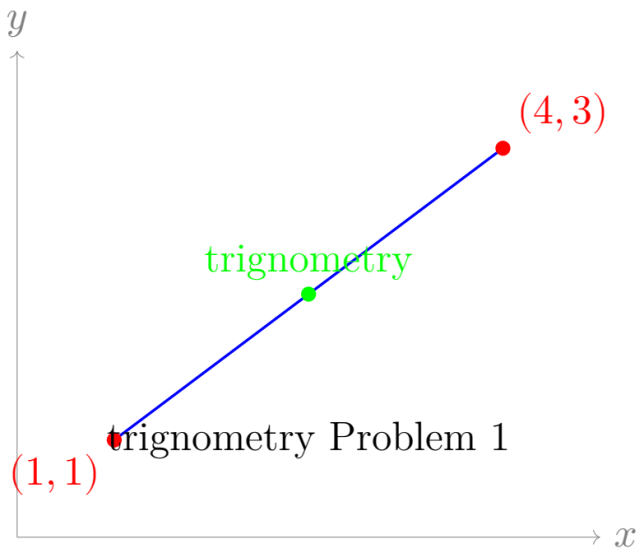
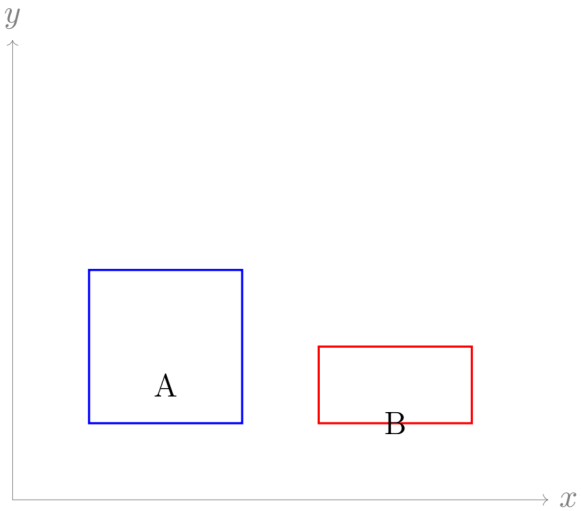
Pattern 3: Computational Problems in trignometry

Question 1: Calculate the value shown in the trignometry diagram for the given parameters.



Answer: *The calculated value is 5 based on the trignometry formula shown.*

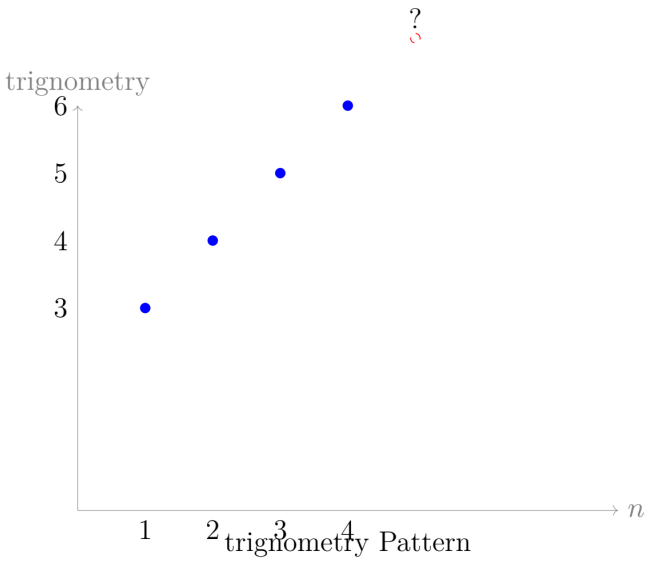
Question 2: Compare the two quantities shown in the trignometry diagram and determine which is larger.



trignometry Comparison

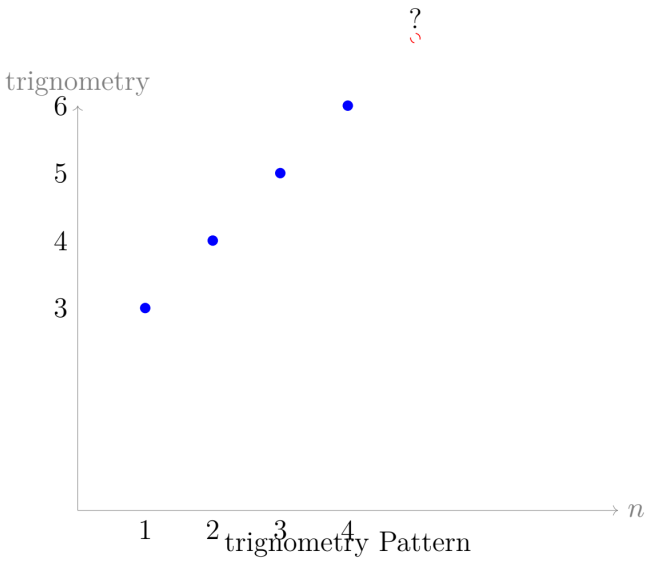
Answer: *Quantity A is larger than Quantity B by 3 units in this trignometry problem.*

Question 3: Identify the pattern shown in the trignometry diagram and predict the next value.



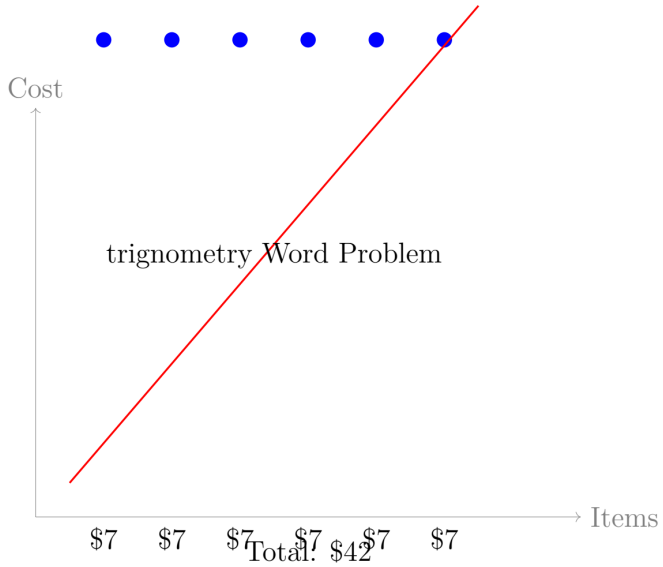
Answer: *The pattern increases by 3 each step, so the next value is 8.*

Question 4: Find the area of the trignometry shape shown in the diagram.



Answer: *The area is 30 square units for this trignometry shape.*

Question 5: A trignometry scenario shows 6 items. If each item costs $7, what is the total cost?



Answer: *Total cost = 6 × $7 = $42*

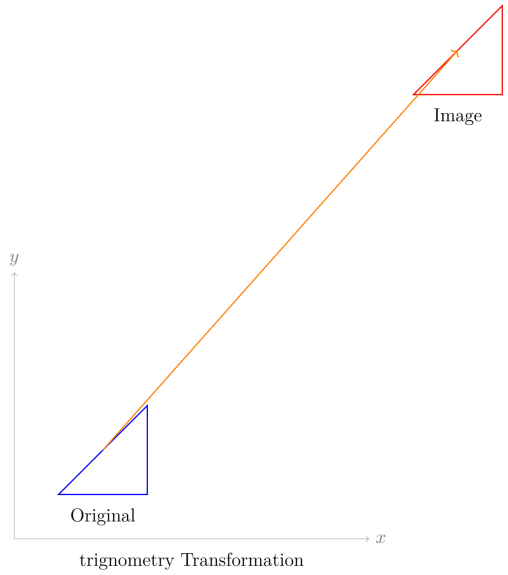
Question 6: What is the maximum value shown in the trignometry graph?

Answer: *The maximum value is 13 occurring at x = 6.*

Question 7: In the trignometry proportion shown, if the first ratio equals 8:7, find the missing value.

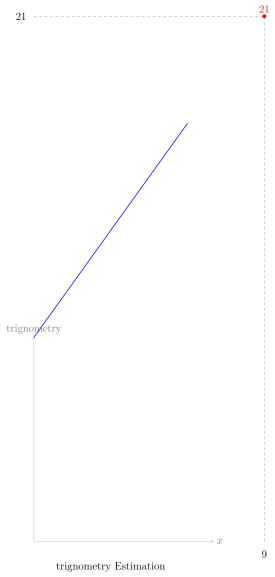
Answer: *The missing value is 10.285714285714286 ≈ 10.3*

Question 8: The trignometry shape is transformed as shown. What type of transformation occurred?



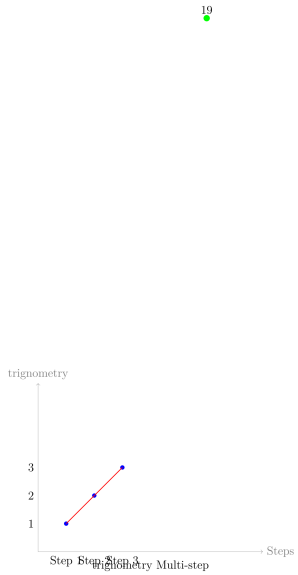
Answer: *This is a translation by (8, 9) units in the trignometry context.*

Question 9: Estimate the value shown in the trignometry diagram to the nearest whole number.



Answer: *The estimated value is approximately 21 for this trignometry problem.*

Question 10: Solve the multi-step trignometry problem shown in the diagram.



Answer: *The solution involves 10 steps, resulting in 19 as the final answer.*