

Tree Logic Puzzles

Facilitator information: provide the various puzzle information to your participants. They can take notes if they wish to do so. Or you can write the information on a whiteboard or similar. Allow participants to work through the puzzle individually and then pair them up to discuss their results. Then discuss in the group.

Apple Branch Logic:

A tree has 4 branches

- Branch A has 5 apples
- Branch B has 3 apples
- Branch C has twice as many apples as Branch B
- Branch D has 2 fewer apples than Branch A

Question:

How many apples are on the tree in total?

Answer: B = 3, C = 6, A = 5, D = 3, Total = 17 apples

Forest Ordering Puzzle:

Five trees, Oak, Pine, Maple, Birch, Cedar, grow to different heights:

- The Pine is taller than the Maple
- The Oak is shorter than the Birch
- The Cedar is taller than the Pine
- The Maple is the shortest

Question: Which tree is the tallest?

Answer: Cedar

Leaf Number Pattern:

Find the missing number.

2 6 12 20 ?

Explanation: +4, +6, +8, +10...

Answer:

20 + 10 = 30