

Instructions

Welcome to your Minecraft logic math worksheet! Use your building skills and math logic to solve the problems below. Show your work where needed. Have fun!

1. Block Counting

In Minecraft, each block can be considered as a unit. If you have a 10x10 square area, how many blocks do you have in total?

2. Crafting Equation

You need 3 wood planks and 2 sticks to craft a crafting table. If a stack of wood planks contains 64 planks, how many crafting tables can you make from one stack of wood planks? Show your work.

3. Mining Rewards

Suppose you mined 15 blocks of diamond ore, and each block gives you 2 diamonds when smelted. If you smelt all the diamond ore you mined, how many diamonds will you have? Write the equation you used and the answer.

4. Potion Brewing

You need 1 nether wart and 3 redstone dust to brew a specific potion. If you have 12 nether warts, how many potions can you brew?

5. Experience Points

In Minecraft, you earn experience points (XP) as you defeat mobs. If you defeat 5 zombies and each zombie gives you 10 XP, how many XP do you earn in total?

6. Building a House

If you want to build a house that is 10 blocks wide and 7 blocks long, what is the total area of the house? Show your calculation.

7. Recipe Ratios

To make a cake, you need:

3 wheat, 2 sugar, 1 egg. If you have 12 wheat, how many cakes can you make? Show your calculation.

8. Ender Pearls

You find 8 ender pearls from endermen. If you used 2 ender pearls to teleport, how many do you have left? Write the calculation.

Reflection

What did you enjoy the most about solving these math problems related to Minecraft? Write a few sentences.