Maya Builds the Ultimate Robot

Grade 1 math robots

Students will count forward and backward within 20 using robot-themed scenes from Maya's adventure.

Name: _____ Date: _____

1. Maya opens her robot lab. She counts 3 power cores on the shelf. She loads 2 more power cores. How many power cores does Maya have now? Show your work: 3 + 2 = ___

2. Maya finds 4 energy cells in a box. She counts 3 more energy cells on the floor. How many energy cells does Maya count in all? Show your work: 4 + 3 = ___

3. Maya lines up her robot arms. She has 9 robot arms. She uses up 4 robot arms to build legs. How many robot arms does Maya have left? Show your work: 9 - 4 = ___

4. Maya charges up 6 energy cells. Then she charges up 5 more energy cells. How many energy cells does Maya have charged now? Show your work: 6 + 5 = ___

5. Maya stacks circuit boards in two piles. One pile has 7 circuit boards. The other pile has 6 circuit boards. How many circuit boards does Maya stack in all? Show your work: 7 + 6 = ___

6. Maya has 15 power cores. Her robot uses up 8 power cores to power its legs. How many power cores does Maya have left? Show your work: 15 - 8 = ___

7. Maya loads 9 energy cells into the robot. The robot uses up 4 energy cells. Then Maya loads 6 more energy cells. How many energy cells are in the robot now? Show your work: 9 - 4 = 5, then 5 + 6 = ___

8. Maya finishes her robot! She counts all the parts she used. She used 5 circuit boards, 4 robot arms, and 8 energy cells. How many parts did Maya use to build her robot in all? Show your work: 5 + 4 = 9, then 9 + 8 = ___

Answer Key: Maya Builds the Ultimate Robot

GRADE 1 | TEACHER & PARENT USE ONLY

Before Q6, pause and ask students to point to which robot part Maya has the most of so far — this connects counting to comparison skills visible across Q3, Q5, and Q6.

1. Maya opens her robot lab. She counts 3 power cores on the shelf. She loads 2 more power cores. How many power cores does Maya have now? Show your work: 3 + 2 = ___

Answer: Q1: 3 power cores + 2 power cores = 5 power cores. Maya has 5 power cores.

2. Maya finds 4 energy cells in a box. She counts 3 more energy cells on the floor. How many energy cells does Maya count in all? Show your work: 4 + 3 = ___

Answer: Q2: 4 energy cells + 3 energy cells = 7 energy cells. Maya counts 7 energy cells in all.

3. Maya lines up her robot arms. She has 9 robot arms. She uses up 4 robot arms to build legs. How many robot arms does Maya have left? Show your work: 9 - 4 = ___

Answer: Q3: 9 robot arms - 4 robot arms = 5 robot arms. Maya has 5 robot arms left.

4. Maya charges up 6 energy cells. Then she charges up 5 more energy cells. How many energy cells does Maya have charged now? Show your work: 6 + 5 = ___

Answer: Q4: 6 energy cells + 5 energy cells = 11 energy cells. Maya has 11 energy cells charged.

5. Maya stacks circuit boards in two piles. One pile has 7 circuit boards. The other pile has 6 circuit boards. How many circuit boards does Maya stack in all? Show your work: 7 + 6 = ___

Answer: Q5: 7 circuit boards + 6 circuit boards = 13 circuit boards. Maya stacks 13 circuit boards in all.

6. Maya has 15 power cores. Her robot uses up 8 power cores to power its legs. How many power cores does Maya have left? Show your work: 15 - 8 = ___

Answer: Q6: 15 power cores - 8 power cores = 7 power cores. Maya has 7 power cores left.

7. Maya loads 9 energy cells into the robot. The robot uses up 4 energy cells. Then Maya loads 6 more energy cells. How many energy cells are in the robot now? Show your work: 9 - 4 = 5, then 5 + 6 = ___

Answer: Q7: Step 1: 9 energy cells - 4 energy cells = 5 energy cells. Step 2: 5 energy cells + 6 energy cells = 11 energy cells. The robot now has 11 energy cells.

8. Maya finishes her robot! She counts all the parts she used. She used 5 circuit boards, 4 robot arms, and 8 energy cells. How many parts did Maya use to build her robot in all? Show your work: 5 + 4 = 9, then 9 + 8 = ___

Answer: Q8: Step 1: 5 circuit boards + 4 robot arms = 9 parts. Step 2: 9 parts + 8 energy cells = 17 parts. Maya used 17 parts in all to build her robot. Maya's robot is complete!