

MISSION 4 ★

ROBOT FACTORY NUMBER BUILDERS

MISSION 4

We've leveled up! Now let's use addition, subtraction, multiplication, division, and logic to solve awesome problems!

Let's use what we know to solve bigger number challenges!

TODAY'S MISSION GOALS



Solve multi-step problems



Use all four operations



Think like a problem solver

1



WARM-UP: MATH MIX!

Solve each problem.
Show your work if you need space!

1 $24 + 37 =$

2 $96 - 48 =$

3 $6 \times 7 =$

4 $81 \div 9 =$

5 $125 + 75 - 50 =$



TIP: Read carefully. Take it one step at a time. You've got this!



2



BUILD IT: MULTI-STEP MISSION

Solve each problem. Use the order of operations (and show your work!).

1 $15 + 8 \times 3 =$

2 $(72 - 24) \div 6 =$

3 $5 \times (12 + 4) =$

4 $100 - (25 + 15) =$

5 $(9 \times 7) - 18 =$

Think: Do parentheses first, then multiply or divide, then add or subtract!



3



BREAK IT DOWN: NUMBER SENSE

Find the unknown number in each box.
One is done for you!

1 $45 + \square = 78$ ✓
 $\square = 33$

2 $62 - \square = 27$
 $\square =$

3 $\square + 38 = 95$
 $\square =$

4 $7 \times \square = 56$
 $\square =$

5 $132 \div \square = 12$
 $\square =$



Check your answers by plugging them back in!



4

ROBOT ASSEMBLY LINE: WORD PROBLEMS

Read each problem carefully. Show your work and write your answer.

- 1 The factory made 240 robot parts on Monday. On Tuesday, they made 185 more parts. On Wednesday, they made 120 fewer parts than Monday. How many parts did they make on Wednesday?

Answer:



- 2 Spark the robot packs 36 bolts in each box. If he has 14 boxes, how many bolts does he pack in all?

Answer:



- 3 Bolt builds 6 robots a day. Each robot uses 48 parts. How many parts does Bolt use to build robots in 5 days?

Answer:



5



LOGIC LAB: WHAT COMES NEXT?

Look at each pattern. What number comes next?

1 3, 6, 9, 12, 15,

2 50, 45, 40, 35, 30,

3 2, 4, 8, 16, 32,

4 7, 14, 21, 28, 35,

5 100, 90, 80, 70, 60,



Look for the rule!
Add? Subtract? Multiply?
Divide?

6



CHALLENGE MODE

Solve the riddle using numbers!

I am a number.
If you multiply me by 6
and then add 12,
you get 60.
What number
am I?

Show your work:

I am !



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MISSION 4 COMPLETE!

You solved tough problems, used your math skills, and thought like an engineer!

AWESOME WORK, CADET!



EARNED GEAR



NUMBER BUILDER
LEVEL 4 BADGE



COMMANDER SAGE NOTES

What I did well:

What I want to practice:

A strategy I used:

Something new I learned:

My favorite part:



YOU BUILD. YOU SOLVE. YOU LEVEL UP! KEEP GOING, ENGINEER!