

Name \_\_\_\_\_

### City Builder - 3-Step Order of Operations (Double, Triple, & Quadruple Digits)

Mayor Jordan is designing a brand-new **mega city**! Help the city planners calculate construction, supplies, and population changes. Use **order of operations (PEMDAS)** - Parentheses first, then Multiply/Divide, and finally Add/Subtract - to build the city step by step!

1. The city ordered  $(450 + 350) \times 6 - 500$  bricks for new sidewalks.  
How many bricks in total?
2. Engineers built  $(2,400 - 1,200) \div 3 + 650$  parking spaces.  
How many parking spaces are there?
3. Workers installed  $(3,000 + 2,000) \div 5 \times 4$  new streetlights.  
How many lights were added?
4. The stadium seats  $(5,600 - 2,800) \div 4 + 900$  people.  
How many seats in total?
5. The power company produced  $(1,800 + 1,200) \times 3 - 2,000$  kilowatts of energy. What's the total output?
6. Builders used  $(9,000 - 4,500) \div 9 + 300$  tons of cement for the bridge.  
How much cement was used?
7. City workers planted  $(3,200 + 800) \div 8 \times 5$  trees along the highways.  
How many trees total?
8. The new subway system carried  $(7,500 - 2,500) \div 10 + 600$  passengers in one day. How many total riders?
9. The city's recycling center processed  $(8,000 + 4,000) \div 12 \times 2$  bins of material. How many bins?
10. The hospital expanded  $(12,000 - 8,000) \div 4 + 2,500$  patient rooms.  
How many rooms in total?

