



Multiplication & Division

Gold

These Gold questions require multi-step reasoning combining multiplication and division.

Name: _____ Date: _____

Section A: Multi-Step Problems

1. A factory makes 144 toys per hour. How many toys are made in a 7.5 hour shift?

2. A stadium has 45 rows of 32 seats. If 1,200 tickets are sold, how many seats remain empty?

3. A number multiplied by 8 gives 456. What is the number?

4. If 15 boxes hold 375 items equally, how many items are in 4 boxes?

5. A school orders 850 pencils, packed into boxes of 24. How many full boxes, and how many pencils left over?

Section B: Reasoning

1. Explain why $4,800 \div 12$ gives the same answer as $4,800 \div 4 \div 3$.

2. A number divided by 6 gives a remainder of 3. Give one number this could be, between 20 and 30.

3. Two numbers multiply to give placeholder 96. If one number is 8, what is the other, and what is their sum?

4. A car travels 45 miles per hour. How far does it travel in 3 hours 30 minutes?

5. If a recipe needs tripling, and the original needs 125g of an ingredient, how much is needed in total?

