

Assessment: Section B Checkpoint

Problem 1

Goals Assessed

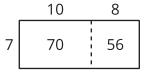
• Multiply a whole number of up to four digits by a one-digit whole number, and 2 two-digit numbers using strategies based on place value and the properties of operations.

Statement

Find the value of 18×7 . Explain or show your reasoning.

Solution

 $18 \times 7 = 126$. Sample reasoning:



70 + 56 = 126

Problem 2

Goals Assessed

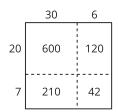
• Multiply a whole number of up to four digits by a one-digit whole number, and 2 two-digit numbers using strategies based on place value and the properties of operations.

Statement

Find the value of 27×36 . Explain or show your reasoning.

Solution

972. Sample reasoning:



600 + 120 + 210 + 42 = 972



Problem 3

Goals Assessed

• Multiply a whole number of up to four digits by a one-digit whole number, and 2 two-digit numbers using strategies based on place value and the properties of operations.

Statement

Here is Noah's work finding the value of 92×78 .

Do you agree with Noah's work? Explain or show your reasoning.

Solution

I disagree with Noah. Sample reasoning: He multiplied 2 and 90 by 7 instead of by 70. Those partial products should be 10 times as much, 140 and 6,300 instead of 14 and 630.