

Multiplying Multi-Digit Whole Numbers: math test, Grade 4 – download the PDF

Suggested time: 45 minutes. Out of 20 points. Calculator allowed only when the problem says so.

1 Mental math

/ 4 pts

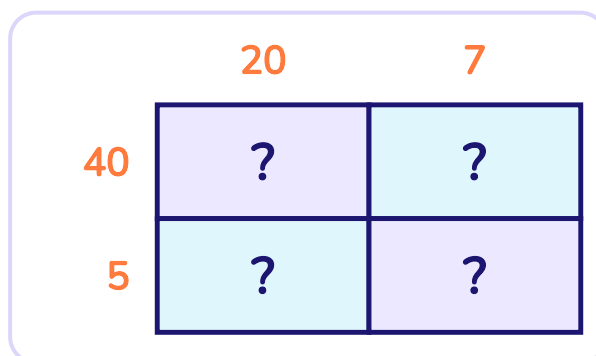
Find each product without a calculator.

- a. 9×70
- b. 6×800
- c. 50×40
- d. $7 \times 3,000$

2 Area model

/ 3 pts

Use the area model to find 27×45 . Write the four partial products and the total.



3 4-digit times 1-digit

/ 3 pts

Use partial products to find $6,138 \times 7$.

4 Two 2-digit numbers

/ 3 pts

Find 83×57 . Show your work.

5 Reasonable answer?

/ 3 pts

Kai says that $41 \times 29 = 1,889$. (a) Estimate the product. (b) Explain why Kai's answer is not reasonable. (c) Find the correct product.

6 Summer camp

/ 4 pts

A summer camp buys 18 tents at \$64 each and 45 sleeping bags at \$29 each. The camp has a budget of \$2,500.

- How much do the tents cost?
- How much do the sleeping bags cost?
- What is the total cost?
- How much of the budget is left?



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