

Multi-Digit and Decimal Operations: math test, Grade 6 – download the PDF

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

1 Whole-number operations

/ 4 pts

No calculator.

- a. Compute 63×48 .
- b. Compute $7,068 \div 31$.
- c. Compute $1,000 \div 36$ and give the quotient and the remainder.

2 Adding and subtracting decimals

/ 3 pts

Compute.

- a. $18.6 + 7.45$
- b. $30 - 12.875$
- c. $4.2 + 0.38 - 2.9$

3 Multiplying and dividing decimals

/ 4 pts

Compute.

- a. 2.8×0.35
- b. $0.072 \div 0.09$
- c. $15.6 \div 1.2$
- d. 5.5×0.04

4 Estimation

/ 3 pts

(a) Estimate 19.8×4.1 . (b) Estimate $61.3 \div 5.9$. (c) A student says $6.2 \times 0.8 = 49.6$. Use an estimate to show this is wrong and give the correct product.

5 Hiking club budget

/ 3 pts

A hiking club buys 24 water bottles at 1.85 dollars each and 2 first-aid kits at 12.95 dollars each. The budget is 75 dollars. How much money is left? No calculator.

6 Ribbon

/ 3 pts

A 2.4 m ribbon costs 4.80 dollars. It is cut into pieces that are each 0.15 m long. (a) How many pieces are there? (b) What is the price per meter? (c) What is the price of one piece?



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