

Multiplying and Dividing Decimals: math test, Grade 5 – download the PDF

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

1 Powers of 10

/ 4 pts

Compute without a calculator.

- a. 6.28×10
- b. 0.053×100
- c. $9.4 \div 100$
- d. $2,700 \div 1,000$

2 Multiplying decimals

/ 4 pts

Compute.

- a. 2.6×7
- b. 0.45×6
- c. 1.2×0.8
- d. 3.5×0.04

3 Place the decimal point

/ 3 pts

You know that $47 \times 23 = 1,081$. Give each product.

- a. 4.7×2.3
- b. 0.47×23
- c. 4.7×0.023

4 Division

/ 3 pts

Compute.

- a. $18.4 \div 4$
- b. $0.54 \div 6$
- c. $15 \div 0.3$

5 Area model

/ 3 pts

Use a 10 by 10 grid that represents 1 whole to find 0.4×0.8 . Explain what you shade and give the product.

6 Training for a race

/ 3 pts

Marcus runs 1.75 miles every day for 6 days. His goal for the week is 12 miles.

- a. How many miles does he run in 6 days?
- b. How many miles are left to reach his goal?
- c. He splits the remaining distance equally over 3 days. How far does he run each day?



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6 random questions, instant feedback.



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