

Dividing Whole Numbers: math test, Grade 5 – download the PDF

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

1 Mental division with zeros

/ 3 pts

No calculator. Find each quotient.

a. $4,500 \div 50$

b. $6,300 \div 90$

c. $560 \div 80$

2 Estimating quotients

/ 3 pts

Estimate each quotient. Write the compatible numbers you use.

a. $6,218 \div 7$

b. $2,950 \div 6$

c. $1,985 \div 4$

3 Partial quotients and area model

/ 4 pts

(a) Use partial quotients to find $1,092 \div 4$. (b) Use an area model with two pieces to find $972 \div 12$.

4 Long division

/ 4 pts

Use long division. Write any remainder as R.

a. $5,487 \div 7$

b. $8,694 \div 38$

5 Field trip remainders

/ 3 pts

There are 134 students on a field trip.

- a. Divide 134 by 9 and write the result with a remainder.
- b. Each van seats 9 students. How many vans are needed?
- c. A 134-centimeter ribbon is cut into pieces 9 centimeters long. How many whole pieces are cut and how long is the leftover ribbon?

6 Seats in a theater

/ 3 pts

A theater has 2,340 seats arranged in 36 equal rows. (a) How many seats are in each row? (b) How many seats are in 4 rows?



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