

Understanding Division: math test, Grade 3 – download the PDF

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

1 Division facts

/ 3 pts

Find each quotient.

a) $14 \div 2$ b) $49 \div 7$ c) $90 \div 10$ d) $24 \div 8$ e) $18 \div 9$ f) $81 \div 9$

2 Vocabulary and related facts

/ 3 pts

Look at $48 \div 6 = 8$.

- a) Name the dividend, the divisor and the quotient.
- b) Write a related multiplication fact.
- c) Write the other division fact in the same family.

3 Fact families

/ 3 pts

- a) Write the four facts of the fact family for 4, 9 and 36.
- b) Why does the family 5, 5 and 25 have only two facts?

4 Unknown numbers

/ 3 pts

Find the missing number n .

a) $7 \times n = 42$ b) $56 \div n = 7$ c) $n \div 9 = 5$

5 Word problems

/ 4 pts

- a) A store has 56 crayons. It puts the same number of crayons in each of 7 boxes. How many crayons are in each box?
- b) A gardener plants 30 tomato plants in rows of 6 plants. How many rows does she make?

6 The library shelves

/ 4 pts

A school library puts 80 books equally on 10 shelves. Then the teacher takes the books of one shelf and shares them equally into 4 boxes.

- a) How many books are on each shelf?
- b) How many books go into each box?



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