

Test: Natural Numbers

Grade 5 · Natural Numbers

Time: about 45 minutes · 23 tasks · max. 55 pts

How to complete this test:

Read each task on your own. Write your working in a notebook or on the printout — there is space for an answer under every task. Formulas and hints are given with the harder tasks, so you do not need to know them by heart.

Part I — Warm-up

1 pt each

- 1 Give the **successor** of 4,999.

1
pts

Answer:

- 2 Give the **predecessor** of 100,000.

1
pts

Answer:

- 3 Compare 48,512 and 48,489. Insert the sign: $<$, $>$ or $=$.

1
pts

Answer:

- 4 Round 6,748 to the nearest hundred.

1
pts

Answer:

- 5 Calculate in your head: 340×10 .

1
pts

Answer:

- 6 Is 84 a multiple of 7? Answer YES or NO.

1
pts

Answer:

- 7 Mark these points on the number line: 2, 5, 8.

1
pts



Answer:

Part II — Main test

2–4 pts each · show your work!

- 8 Calculate (column method): $4,826 + 3,958$

2
pts

Write the numbers one under the other, aligned to the right, and add column by column from the ones.

Answer:

- 9 Calculate (column method): $60,000 - 2,735$ 2 pts
Watch out for borrowing across several zeros in a row.
Answer:

- 10 Calculate (column method): 347×26 3 pts
Multiply 347 by each digit of 26 separately, then add the partial results.
Answer:

- 11 Calculate: $7,203 : 6$ (give the quotient and the remainder). 3 pts
Answer:

- 12 Calculate, remembering the order of operations: $5 \times (12 - 7) + 3^2$ 3 pts
Brackets first, then the power, then multiplication, and addition last.
Answer:

- 13 Estimate the result of $6,830 + 4,260$ by rounding both numbers to the nearest thousand. 2 pts
Answer:

- 14 How many divisors does 36 have? List them all. 3 pts
Answer:

- 15 Find the greatest common divisor (GCD) of 24 and 36. 2 pts
Answer:

- 16 Find the least common multiple (LCM) of 6 and 9. 2 pts
Answer:

- 17 Does 5,117 divide evenly by 9? Justify your answer by adding up its digits. 2 pts
A number divides evenly by 9 exactly when the sum of its digits divides evenly by 9.
Answer:

- 18 Word problem: An orchard owner picked 2,380 kg of apples and wants to split them evenly between 14 crates. How many kilograms will go in one crate? 4 pts
Answer:

Part III — Bonus challenge

4 pts each · worth a try!

- 19** Word problem: A school trip has 187 students. One coach holds 45 people. How many coaches are needed to take all the students? **4 pts**
Divide the number of students by the coach capacity — if there is a remainder, one more coach is needed.
Answer:

- 20** Is 91 a prime number or a composite number? Justify your answer by finding its divisors. **4 pts**
Answer:

- 21** Calculate the value of the expression: $(9 - 5)^2 : 2 + 3 \times 4$ **4 pts**
Answer:

- 22** Find the greatest divisor of 48 that is less than 20. **4 pts**
List all the divisors of 48, then pick the right one.
Answer:

- 23** Word problem: A cinema has 24 rows of 32 seats. How many seats does the whole hall have? If 650 tickets have already been sold, how many seats are left empty? **4 pts**
Answer:

**Good
luck!**

Step-by-step solutions are in the app — the "Natural numbers" chapter is completely free:
matma5.matmabot.pl