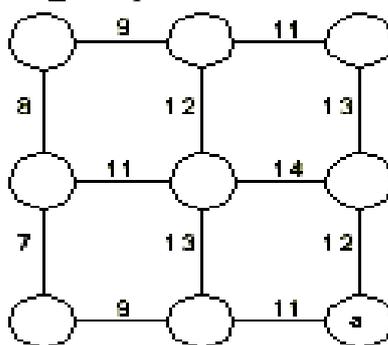


VELIKDEN MATHEMATICS COMPETITION - 22.04.2007

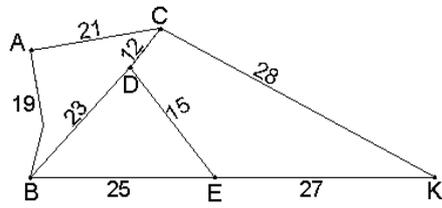
3 grade

Time limit: 120 minutes

1. $(393 + 256 - 425) \cdot 0 + 24 : (6 + 2) = :$
 a) 0 b) 6 c) 3 d) other answer
2. $2+4+6+8+10+12+14+16+18+20+22 = :$
 a) 108 b) 132 c) 98 d) other answer
3. On Monday, Tuesday and Wednesday Pipi put in a box a number of golden coins. This number is equal to the smallest two-digit number divisible by 7. How many coins did she put in the box?
 a) 14 b) 28 c) 34 d) other answer
4. Eli went to bed at 9 o'clock in the evening and awoke at 10 o'clock in the morning. How many hours did she sleep?
 a) 13 hours b) 11 hours c) 12 hours d) other answer
5. The playing field is 25 m wide n and its length is 2 times greater than the width. How many m of wire are needed to fence the field if two m have to be left for an entry?
 a) 73 m b) 146 m c) 150 m d) other answer
6. Kalina painted a number of eggs. She gave half of them to her parents, she gave to her brother the half of the remaining eggs and 8 eggs left for her. How many eggs did she paint?
 a) 36 b) 28 c) 32 d) other answer
7. Replace the asterisks with the missing terms of the sequence. Find the sum of all terms of the sequence.
 *, 76, 59, 42, *
 a) 295 b) 275 c) 175 d) other answer
8. It took 3 days of Kahn Krum's army to get the Varbica pass. Each day the army covered a distance 8 km shorter than in previous day. How many km did the army cover during the first day?
 a) 76 km b) 60 km c) 84 km d) other answer
9. The perimeter of a square is 352 cm. Find the perimeter (in cm) of a rectangular, one of whose sides is equal to the side of the square and the other one is equal to $(900-375):5$ cm.
 a) 10 b) 15 c) 386 d) other answer
10. Two trucks start simultaneously their traveling from two towns and they are traveling facing each other. The first covers 75 km per hour, and the second 69 km per hour. Two hours after the beginning of the travel the distance between them is 34 km and they have already met. Find the distance between the two towns.
 a) 110 km b) 322 km c) 288 km d) other answer
11. Inscribe the numbers from 1 to 9 into the circles so that the sum of the numbers in the two circles is to be equal to the number between them. Then a is equal to:



- a) 8 b) 3 c) 4 d) other answer
12. A rectangular lot has a width equal to the greatest two-digit odd number, which is greater than 85 and less than 99. The length is 1 more than the smallest three-digit even number whose digit of the hundredths is equal to 5. Find the perimeter of another rectangular lot whose sides are halves of the lengths of the sides of the given lot.
 a) 600 b) 299 c) 598 d) other answer
13. In 3 years Veliko will be 2 two times older than he was 3 years before. How old is Veliko now?
 a) 6 b) 12 c) 9 d) other answer
14. A postman started from A and had to reach K without passing through a point two times. The longest distance that he might cover is equal to:



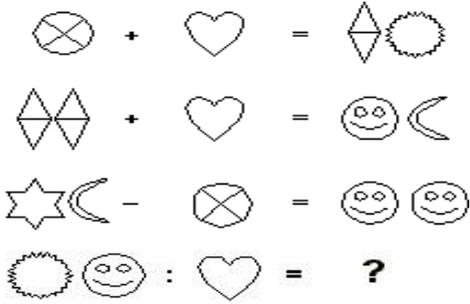
a) 82

b) 99

c) 91

d) other answer

15. If



Replace the pictures with digits.

a) 8

b) 9

c) 6

d) other answer

Answers: 1c; 2b; 3d 42; 4a; 5d 148; 6c; 7a; 8a; 9c; 10d 254; 11b; 12c; 13c; 14d 108; 15a