

MATH KANGAROO 2006 Grade 2

3 POINTS FOR EACH PROBLEM

1. Fill in the empty space marked with a question mark on the forth car (from left):



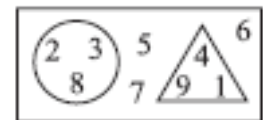
- A) 10 B) 20 C) 40 D) 60 E) 80

2. Together, Chip and Dale have 8 nuts. They divide them equally. Chip ate 1 nut. How many nuts does he have left?

- A) 5 B) 3 C) 8 D) 4 E) 7

3. Calculate the sum of the numbers in the circle:

- A) 12 B) 18 C) 14 D) 13 E) 45



4. Which digit does the flower cover up?

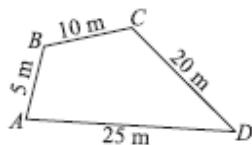
- A) 2 B) 4 C) 6 D) 8 E) 0

$$\begin{array}{r} 5 \text{ flower} + \\ \text{flower} 8 \\ \hline 102 \end{array}$$

5. In the class there are 20 students, 8 of whom are boys. At how many desks do the girls sit, if two of them sit at each desk?

- A) 12 B) 8 C) 6 D) 4 E) 10

6. How many meters does Ingo walk if he starts from A, goes through points B, C, D, and A?



- A) 15 m B) 30 m C) 45 m D) 50 m E) 60 m

7. A frog jumps on every rock, from rock number 3 to rock number 9. How many jumps does it make?



- A) 6 B) 4 C) 3 D) 2 E) 1

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8. After 1 comes 3, after 3 comes 5, after 5 comes 7. What comes after 7?

1 3 5 7 ...

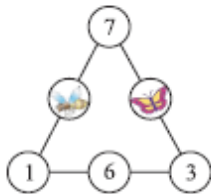
- A) 2 B) 4 C) 7 D) 8 E) 9

4 POINTS FOR EACH PROBLEM

9. Lucy, Maria and Anna have a meeting at 12:30. Lucy's walk takes 10 minutes, Maria's a quarter of an hour, and Anna's 40 minutes. At what time must the person that needs the longest time to get to the meeting leave her house?

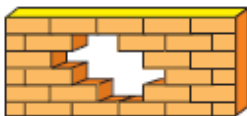
- A) 12:00 B) 12:10 C) 12:15 D) 12:20 E) 11:50

10. On each side of the triangle, the sum of the numbers is the same. A butterfly and a bee stopped to rest and they have covered up two numbers. On which number is the bee standing?



- A) 2 B) 0 C) 3 D) 4 E) 10

11. How many bricks are missing in this wall?



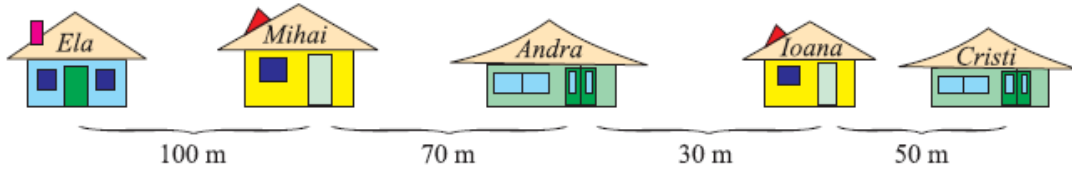
- A) 5 B) 6 C) 7 D) 8 E) 9

12. Last year, the sum of ages of Iris, Beatrice and Lydia was 18 years. How old are they together this year?

- A) 21 years old B) 22 years old C) 23 years old
D) 24 years old E) 25 years old

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13. How far does Cristi live from Andra?



- A) 170 m B) 200 m C) 250 m D) 150 m E) 80 m

14. Helen said to Mary, "If you give me 4 apples, I will have exactly as many apples as you." How many more apples does Mary have than Helen?

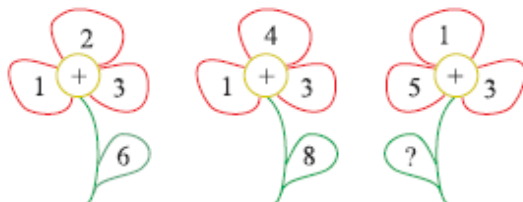
- A) 3 B) 6 C) 8 D) 12 E) 15

15. On the farm, there are 5 sheep, 5 hens, 2 dogs, 2 cats and the farmer. How many legs are there altogether?

- A) 20 B) 14 C) 24 D) 48 E) 46

5 POINTS FOR EACH PROBLEM

16.



- A) 3 B) 6 C) 7 D) 1 E) 9

17. Bibi the Turtle writes different numbers on flowers. She uses only the digits 1 and 2. On how many flowers can she write?



- A) 1 B) 3 C) 4 D) 5 E) 6

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18. Matthias received a book as a gift. He colored in it on pages 99 through 110. How many pages did Matthias color?

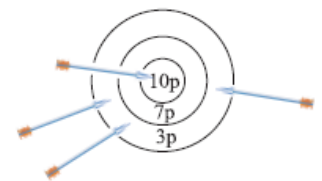
- A) 11 B) 12 C) 16 D) 17 E) 18

19. The first day of a certain month that has 30 days is a Monday. How many Mondays does this month have?

- A) 2 B) 3 C) 4 D) 5 E) 6

20. How many points did Andrew earn?

- A) 20p B) 13p C) 16p D) 23p E) 19p



21. Who is right?

Anna: "The largest number possible has 6 digits."

Boris: "The largest number possible has 1000 digits."

Caroline: "The largest number possible can be only written with the 9 digits."

Daniel: "The largest number possible cannot be written."

Else: "The largest number possible has 0 as the last digit."

- A) Anna B) Boris C) Caroline D) Daniel E) Else

22. Which dots are covered?



- A) ●●○○ B) ●○○ C) ●●○○○ D) ●●●●○ E) ●○○●●

23. As Hans wrote the problem on the board, he forgot one digit: $23 + 31 + 2 + 12 = 94$. This digit is:

- A) 3 B) 4 C) 6 D) 8 E) 1

24. We place the signs $+$, $-$ and $=$ between the digits: 4 8 3 3 6 9 in such a way that an equation is built. The sequence of the signs is:

- A) $+, -, =$ B) $-, +, =$ C) $+, +, =$ D) $+, =, -$ E) $-, =, +$