KÄNGURU DER MATHEMATIK 2023 16. 3. 2023 Level: Écolier, Grade: Schulstufe 3 + 4

Name:	
School:	
Class:	

Time: 60 min.24 starting pointseach correct answer to questions 1. - 8.:3 pointseach correct answer to questions 9. - 16.:4 pointseach correct answer to questions 17. - 24.:5 pointseach questions left unanswered:0 pointseach incorrect answer:minus ¼ of the points for the question



Please write the letter (A, B, C, D, E) of the correct answer in the square under the question number (1 bis 24). Write clearly and carefully!

1	2	3	4	5	6	7	8

9	10	11	12	13	14	15	16

17	18	19	20	21	22	23	24



Information über den Känguruwettbewerb: www.kaenguru.at

- 3 Point Examples -

1. Five children each light a candle at the same time. Lisa blows out the candles at different times. Now they look as shown in the picture.

Which candle did Lisa blow out first?

- (B) B (C) C (A) A (D) D (E) E
- 2. The two markers with a question mark have the same value.



Which value do you have to use instead of the question mark so that the calculation is correct?

- (A) 1 (B) 2 (C) 5 (D) 10 (E) 20
- 3. A black disc with two holes is placed on top of a dial of a watch.

The black disc is turned.

(A) 2

Which two numbers can be seen at the same time?

(A) 4 and 9 (B) 5 and 10 (C) 5 and 9 (D) 6 and 9

4. Alice has these four jigsaw pieces:

(B) 6

(A) 1 and 2 (B) 1 and 3 (D) 2 and 4

Which two can she put together to form this square?

(C) 2 and 3

1

(E) 1 and 4

(E) 10

3

5. Maria switches the lights on and off according to the given plan.

(C) 8



(D) 9













4

Name:

2





18. Rebecca folds a square piece of paper twice. Then she cuts off one corner as you can see in the diagram.

Then she unfolds the paper.

What could the paper look like now?





Which number does he write in the circle with the question mark?

(A) 1

(C) 3 (D) 4

(E) 5

9

24. Maria colours exactly 5 cells of this grid in grey. Then she has her 5 friends guess which cells she has coloured in and their answers are the five patterns A, B, C, D and E. Maria looks at the patterns and says: "One of you is right. The others have each guessed exactly four cells correctly."

Which pattern did Maria paint?

(B) 2

