

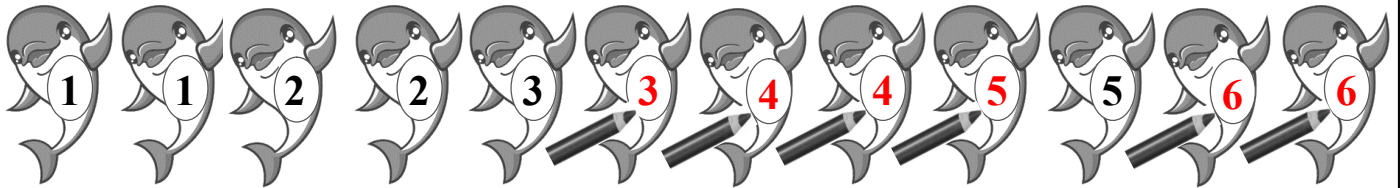
ДВАДЕСЕТИ СОФИЙСКИ МАТЕМАТИЧЕСКИ ТУРНИР

1. КЛАС

7 НОЕМВРИ 2018 Г.

Критерии за оценяване
Общ брой точки - 74

1. задача 6 точки



2. задача 7 точки

Five grid-based drawing tasks:

- Two circles in the top right corner.
- Four circles in the top right corner.
- Five circles in a row, drawn in red.
- Five circles in a row, with a red zigzag line below them.
- Five circles in a row, drawn in red.

3. задача 6 точки

Four arithmetic problems using cherry illustrations:

- $3 - 1 = 2$
- $3 + 1 = 4$
- $5 - 2 = 3$
- $4 - 2 + 4 = 6$

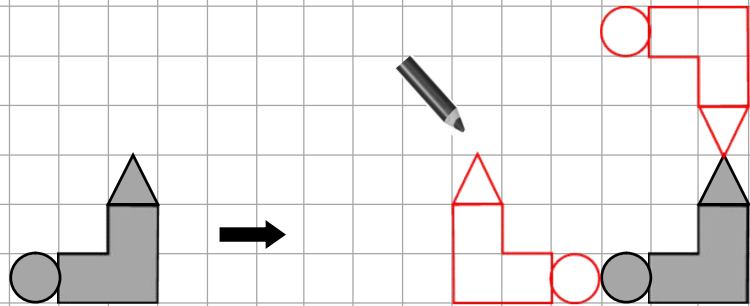
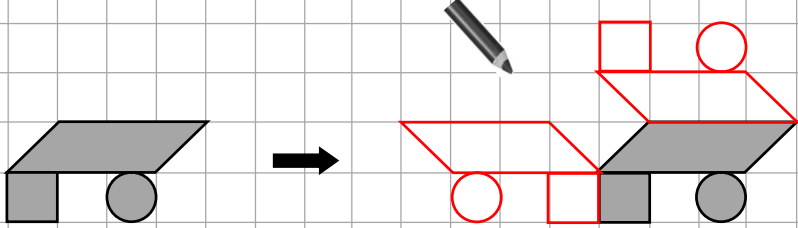
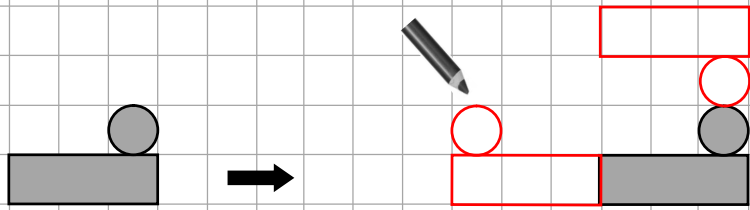
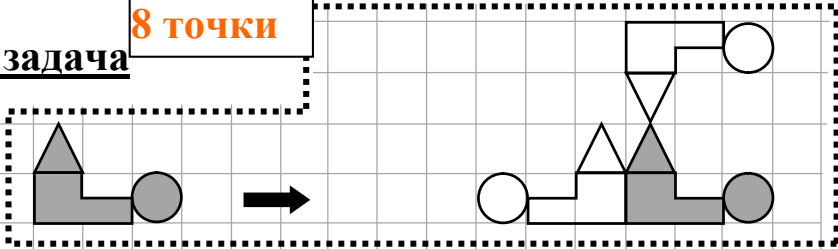
4. задача

10 точки

Four arithmetic problems with a bird illustration:

- $3 + 2 = 4 + 1$
- $0 + 4 = 5 - 1$
- $5 - 2 = 6 - 5 + 2$
- $2 + 2 - 4 = 3 - 3$

5. задача 8 точки



6. задача 5 точки

$$\begin{array}{l}
 \boxed{2} + \boxed{4} = \text{6} = \boxed{3} - \boxed{2} + \boxed{5} \\
 \boxed{6} - \boxed{0} = \text{6} = \boxed{5} - \boxed{2} + \boxed{3}
 \end{array}$$

7. задача

8 точки

$$\text{2} < \begin{array}{c} \text{3} \\ \text{4} \end{array}$$

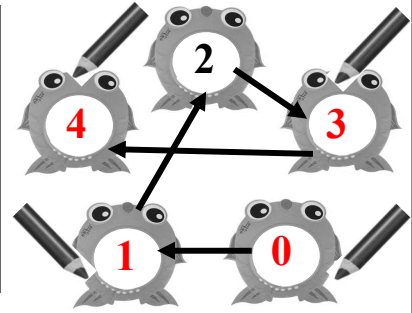
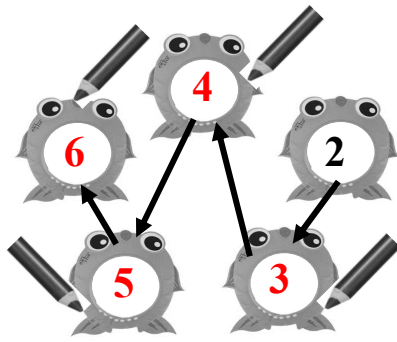
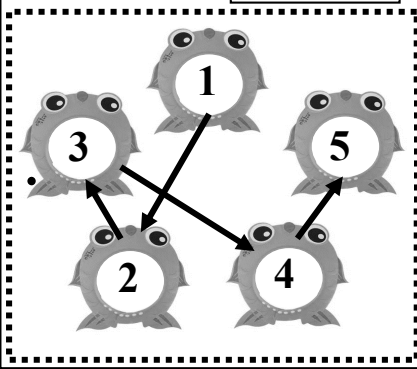
$$\text{4} > \begin{array}{c} \text{1} \text{ 5} \text{ 4} \\ \text{0} \text{ 6} \end{array}$$

$$\text{2} + \text{3} > \begin{array}{c} \text{1} \text{ 5} \text{ 2} \\ \text{4} \text{ 6} \text{ 3} \end{array}$$

$$\text{3} < \begin{array}{c} \text{6} \\ \text{4} \end{array}$$

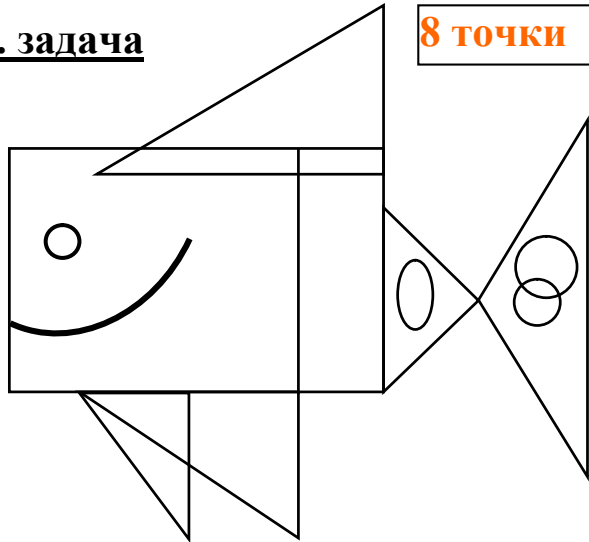
$$\text{5} - \text{3} < \begin{array}{c} \text{5} \text{ 2} \\ \text{4} \text{ 6} \text{ 0} \end{array}$$




8. задача 6 точки



9. задача

8 точки



-  ...3
-  ..8.
-  ...5.

10. задача 10 точки

$$1 \text{ (circle) } \oplus \text{ (triangle) } 2 = 1 \text{ (circle) } + 1 \text{ (circle) } - 2 \text{ (triangle) } = 0 \text{ (diamond)}$$

$$2 \text{ (circle) } \oplus \text{ (triangle) } 1 = 2 \text{ (circle) } + 2 \text{ (circle) } - 1 \text{ (triangle) } = 3 \text{ (diamond)}$$

$$3 \text{ (circle) } \oplus \text{ (triangle) } 2 = 3 + 3 - 2 = 4 \text{ (diamond)}$$

$$3 \text{ (circle) } \oplus \text{ (triangle) } 4 = 3 \text{ (circle) } + 3 \text{ (circle) } - 4 \text{ (triangle) } = 2 \text{ (diamond)}$$

$$2 \text{ (circle) } \oplus \text{ (triangle) } 4 = 2 \text{ (circle) } + 2 \text{ (circle) } - 4 \text{ (triangle) } = 0 \text{ (diamond)}$$