

We Solve Problems Olympiad.

Before you start please complete your personal details

- **Your name**
- **Your surname**
- **Name of your school**
- **Year Group**
- **Name of your teacher**

If you are happy for WeSolveProblems to email you with the results of the Olympiad, please provide us with **an email address**:

Now read the problems below and circle the correct answers.

Problem 1. Boys and girls play on a beach. Some of them are barefoot, and some have their shoes on. The teacher looked at the children, and was very surprised to find out that the number of barefoot boys was equal to the number of girls wearing shoes. Can you compare the number of girls and the number of barefoot children on the beach?

- A** The number of girls was bigger
- B** The number of barefoot children was bigger
- C** The number of girls was the same as the number of barefoot children

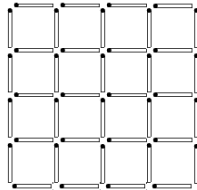
Problem 2. Brownies were cutting a long log with a saw. They made 10 cuts. How many blocks of wood did they make?

- A** 10
- B** 9
- C** 11
- D** 8

Problem 3. How many two-digit numbers have their sum of digits equal to 10?

- A** 10
- B** 9
- C** 12
- D** 11

Problem 4. How many squares can you find on the picture below?



- A 16
- B 20
- C 24
- D 30

Problem 5. Which fraction is the biggest among the listed below?

- A $\frac{3}{4}$ B $\frac{4}{5}$ C $\frac{5}{6}$

Problem 6. Doctor Who says “I am 1104 years old not counting the Sundays”.
How old is Dr Who?

- A 1111
- B 1288
- C 1404
- D 1500

Problem 7. The teacher draws a few circles on a piece of paper and asks a student

- How many circles are on this piece of paper?

- Seven,- answers the student.

- That’s right, - says the teacher.

Then the teacher turns to another student, and asks his question again.

- How many circles are on this piece of paper?

- Five,- answers the second student.

- That’s right, - says the teacher.

However bizarre it sounds, the teacher is right, and the both answers are correct.

How could it possibly be, and how many circles did he draw on a piece of paper?

- A 7
- B 5
- C 12