

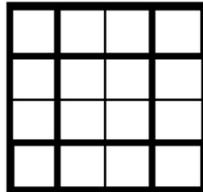


1st Grade

1. Alan writes letters in a cell notebook (always in the same order). What letter will he write in the box with a question mark?

F	E	M	O	F	E														?
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2. How many squares, formed by bold lines, are shown in the figure?



3. The letters in the figure represent numbers (the same letters represent the same numbers). What number stands for the letter O?

$$\begin{aligned} F + E &= 5 \\ E + E &= 6 \\ M + E &= 7 \\ F + M &= 0 \end{aligned}$$

4. Today Amina added up her age and the age of her brother, she got 14. What will be the sum of their ages in five years?
5. Mom bought balloons and divided them equally between Damir and Amir. Amir got balls of three different colors, two of each color. How many balloons did mom buy?
6. The large box contains three smaller boxes, and each of these boxes contains three more boxes. How many boxes are there?
7. Twelve children play hide and seek, one of them seeks. The seeker has already found seven children. How many more children does he need to find?
8. The confectioner baked 7 banana cakes and 5 chocolate cakes. She baked 10 cakes in total. How many cakes are both banana and chocolate?
9. The figure shows a 3×3 table in which four squares are filled with numbers. The remaining squares should also be filled with numbers so that the sum of each row, each column and each of the two diagonals is the same. What number is in the square with the letter F?

		7
F		1
	3	10

10. The parrot lies on Mondays, Tuesdays, Wednesdays, and Sundays, and on other days it tells the truth. On what day can it say "I lied yesterday" other than Thursday?
(In the answer, write "1" if your answer is Monday, "2" if Tuesday, "3" if Wednesday, "4" if Thursday, "5" if Friday, "6" if Saturday, and "7" if Sunday.)

2nd Grade

1. A rectangle was formed from three squares with perimeters of 16 cm. What is the perimeter of the rectangle?
2. Grandmother and grandfather water raspberry bushes in their garden. First, grandmother watered 23 bushes. Then grandfather watered 17 bushes. As a result, 7 bushes were watered twice, and 11 bushes were left without watering. How many raspberry bushes are there in the garden?
3. The figure shows a 3×3 table in which four squares are filled with numbers. The remaining squares should also be filled with numbers so that the sum of each row, each column and each of the two diagonals is the same. What number is in the square with the letter F?

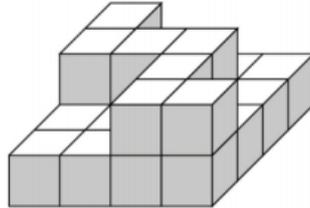
		7
F		1
	3	10

4. Fourteen children play hide and seek, one of them seeks. The seeker has already found eight children. How many more children does he need to find?
5. The sum of two numbers is equal to 123. When the first term was doubled, the sum became equal to 134. What would the sum be equal to if not the first term was doubled, but the second?
6. The current year 2021 is written with four digits: 0, 1, 2 and 2. How many different years will be written with the same four digits?
7. The parrot lies on Mondays, Tuesdays, Wednesdays and Sundays, and on other days it tells the truth. On what day can it declare "I'll lie tomorrow" other than Saturday?
(In the answer, write "1" if your answer is Monday, "2" if Tuesday, "3" if Wednesday, "4" if Thursday, "5" if Friday, "6" if Saturday, and "7" if Sunday.)
8. A class of 28 people sat at 14 double desks. It turned out that 14 boys sat with the boys, and 4 girls - with the girls. How many boys are there in the class?
9. Alina has one 5 tenge coin, one 10 tenge coin, one 20 tenge coin and one 50 tenge coin. How many different amounts can she pay without change?
10. Nurlan reads a storybook. One of the stories is written on two consecutive pages, and the page numbers add up to 175. On which page does this story begin?

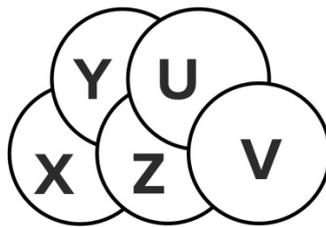


3rd Grade

1. What is the smallest number of cubes that is enough to add to the figure shown in the picture to make a cube?



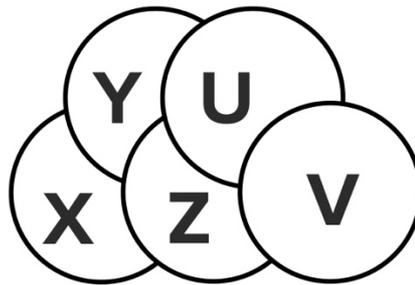
2. The statement is given: "There are no 2 or 4 in this number." Write the largest three-digit number for which the statement is false.
3. There are thirty students in a row. They start counting 1, 2, 3, from the left, and Dastan says 13. If the counting starts from the right instead, what number will Dastan say?
4. In the first half of the football match between Barcelona and Real Madrid, 4 goals were scored, and by the end of the half, Real Madrid were leading the score. In the second half, Barcelona scored 3 goals and won the match. How many goals did Barcelona score in total?
5. A rectangular hole was made in the rectangle. The width of the resulting frame is 1 cm. The perimeter of the hole is 45 cm. What is the perimeter of the rectangle?
6. The figure shows five multi-colored discs. The orange disc is above the green disc, but below all others. The purple disc is above the blue disc, but below the red disc. What color is the Z disc?



7. A class of 28 people sat at 14 double desks. It turned out that 14 boys sat with the boys, and 4 girls - with the girls. How many boys are there in the class?
8. There are two square napkins on the table, each with 5 cm edge. They covered an area of 36 cm². What is their overlap area?
9. Arsen has 4 cards with numbers 2, 0, 2, 1 written on them. How many different numbers can he write using these cards?
10. 8 different natural numbers satisfy the condition that the product of any 4 numbers is even, and the sum of all 8 numbers is odd. Find the smallest possible sum of these 8 natural numbers.

4th Grade

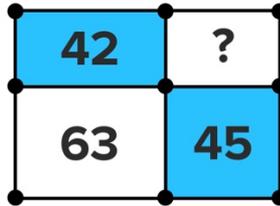
1. Write the largest seven-digit natural number in the record of which there are no equal digits, exactly four digits not greater than 6, and exactly five digits not less than 3.
2. Alan reads a storybook. One of the stories is written on two consecutive pages, and the page numbers add up to 235. On which page does this story begin?
3. On the island of knights and liars, in the evening several local residents gathered at a round table. Each of them said: "My neighbors are a liar and a knight." How many knights are at the table, if there are 9 people and all of them cannot be liars?
4. A class of 26 people sat at 13 double desks. It turned out that 14 boys sat next to the boys, and 4 girls - with the girls. How many boys are there in the class?
5. Given a rectangle. When its two opposite sides were lengthened, the area doubled and its perimeter increased from 44 cm to 56 cm. Find the area of the original rectangle.
6. The figure shows five multi-colored discs. The orange disc is above the green disc, but below all others. The purple disc is above the blue disc, but below the red disc. What color is the Z disc?



7. In the garden, there were 5 times more lemon trees than orange trees. After 12 lemon trees were cut down and 8 orange trees were planted, trees of both species in the garden became equal. How many trees were in the garden originally?
8. 8 different natural numbers satisfy the condition that the product of any 4 numbers is even, and the sum of all 8 numbers is odd. Find the smallest possible sum of these 8 natural numbers.
9. It is known that $A \times B \times C = 30$, $B \times C \times D = 90$ and $C \times D \times E = 180$. What is the value of $A \times C \times E$?
10. The road map of the streets of one of the districts of a certain city looks like a 3×3 square. The side of each small square is 150 meters. The janitor starts cleaning from point A and must clean every street until he finally returns to A. What is the shortest distance in meters he must walk and still do his job?

5th Grade

1. A three-digit number abc is called an interesting number if $a \times b \times c$ is also a three-digit number. What is the smallest interesting abc number?
2. A rectangular sheet was divided into 4 rectangles by two intersecting lines. The areas of the two opposite parts are 42 cm^2 and 45 cm^2 (shown in the figure). The area of the third part is 63 cm^2 . What is the area of the fourth part?



3. There are four children. If we calculate the total age of three of them at a time, we get 22, 20, 17 and 25 years, respectively. What is the age difference between the oldest and the youngest among these four children?
4. Two statements are given: "There are no 2 or 2 in this number", "There are no 7 and 4 in this number." Write the largest three-digit number for which both statements are wrong.
5. A class of 26 people sat at 13 double desks. It turned out that 14 boys sat next to the boys, and 4 girls - with the girls. How many boys are there in the class?
6. In grade 5 "A", everyone goes to chess or mathematics: two-thirds of the students go to the mathematics, half go to the chess. Four go to the mathematics and the chess. How many students are in grade 5 "A"?
7. On the island of knights and liars, in the evening several local residents gathered at a round table. Each of them said: "My neighbors are a liar and a knight." How many knights are at the table, if there are 15 people and all of them cannot be liars?
8. Choose three different numbers from 1, 2, 3, 4, 5, 6, 7, 8, 9 and 10 so that their average is 5. How many different possible combinations are there?
9. 10 different natural numbers satisfy the condition that the product of any 5 numbers is even, and the sum of all 10 numbers is odd. Find the smallest possible sum of these 10 natural numbers.
10. The figure shows a 3×3 table in which three squares are filled with numbers. The remaining squares should also be filled with numbers so that the sum of each row, each column and each of the two diagonals is the same. What number is in the square with the letter

F		7
	3	10