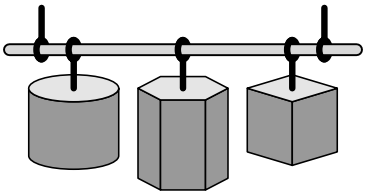
Year 5 and 6 (English Version)

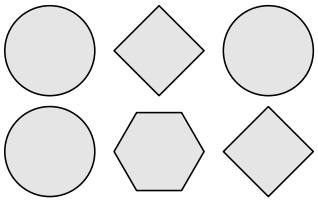
March 2026 Time allowed: 60 minutes

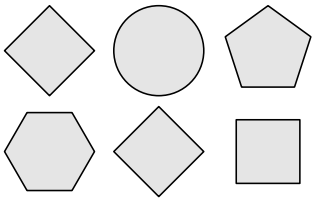
1. For each question exactly one of the 5 options is correct.
2. Each participant is given 24 points at the beginning. For each correct answer 3, 4 or 5 points are added. No answer means 0 points are added. If a wrong answer is given, one quarter of the points is subtracted, i. e. 0.75 points, 1 point or 1.25 points, respectively. At the end, the maximum number of points is 120, the minimum is 0.
3. Calculators and other electronic devices are not allowed.

3 point problems

A1 Three new lamps hang in the entrance area of our school (see picture). What do they look like from below?

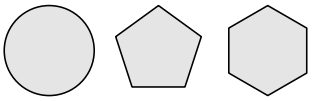


(**A**) 

(**B**) 

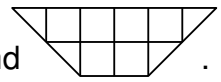
(**C**)

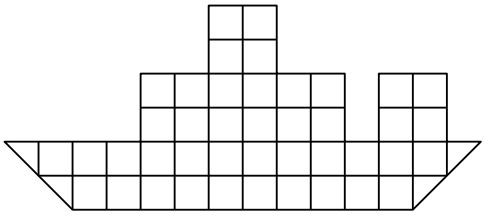
(**D**)

(**E**) 

A2 Lea swaps two neighbouring digits in the number 583469. This makes a smaller number. Which two digits did Lea swap?

(**A**) 5 and 8 (**B**) 8 and 3 (**C**) 3 and 4 (**D**) 4 and 6 (**E**) 6 and 9

A3 Simon has two types of puzzle pieces:  and . Simon wants to use the puzzle pieces to make the ship shown. How many puzzle pieces in total does Simon need?



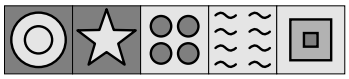
(**A**) 4 (**B**) 5 (**C**) 6 (**D**) 7 (**E**) 8

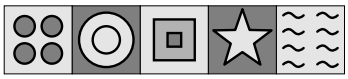
A4 Melina and her father share a pizza. The pizza is cut into 8 equal slices. Melina gives a quarter of the pizza to her father. She takes half of the rest of the pizza. How many pizza slices are left?

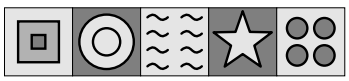
(**A**) 1 (**B**) 3 (**C**) 4 (**D**) 5 (**E**) 6

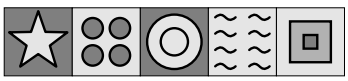
A5 Karl takes a picture of the wall tiles at the swimming pool (see picture). There are five different tiles, which repeat in the same order in each horizontal row. One of the orders below can be seen at the swimming pool. Which one?



(**A**) 

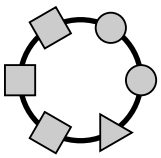
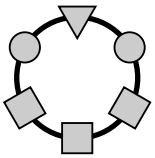
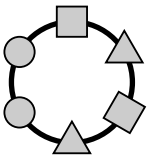
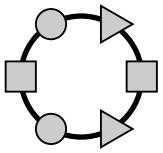
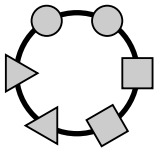
(**B**) 

(**C**) 

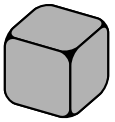
(**D**) 

(**E**) 

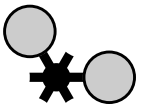
A6 Luna's bracelet is made of three different types of bead. There are two round beads ○ next to each other. The square beads □ are not next to each other.
Which of the following could be Luna's bracelet?

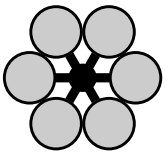
(**A**)  (**B**)  (**C**)  (**D**)  (**E**) 

A7 A dice lies in front of me. The faces are numbered from 1 to 6. The three numbers on the front, right and top faces have a sum of 7.
What numbers are on the other three faces?



(**A**) 3, 5 and 6 (**B**) 1, 3 and 5 (**C**) 4, 5 and 6 (**D**) 2, 4 and 5 (**E**) 3, 4 and 5

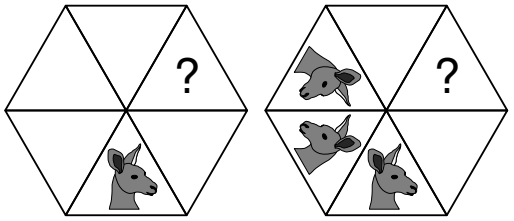
A8 Zoé lays shapes like this  on top of each other. What is the smallest number of shapes she needs in order to make the flower shown on the right?

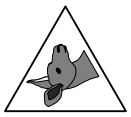
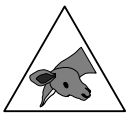
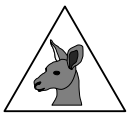
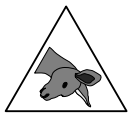
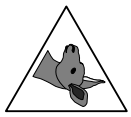


(**A**) 2 (**B**) 3 (**C**) 4 (**D**) 5 (**E**) 6

4 point problems

B1 The hexagon shown contains a picture of a kangaroo in the lower triangle. It is reflected clockwise along the inner sides of the triangles, as shown on the right. What will the picture in the triangle with the question mark look like?

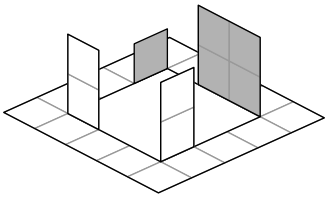


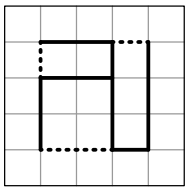
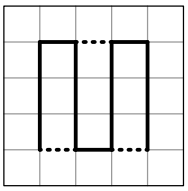
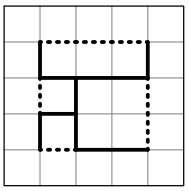
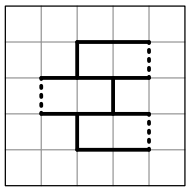
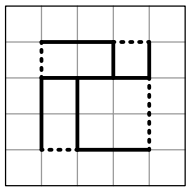
(**A**)  (**B**)  (**C**)  (**D**)  (**E**) 

B2 A long queue has formed at the ghost train ride. There are 21 people in front of me. The first car departs at exactly 9:00 a.m. Every minute a car departs. Each car carries 4 people. Each ride takes 3 minutes. When will my ride end?

(**A**) at 9:06 a.m. (**B**) at 9:08 a.m. (**C**) at 9:11 a.m. (**D**) at 9:12 a.m. (**E**) at 9:14 a.m.

B3 Natalia uses a knife to cut a craft sheet along the solid lines. Then she folds the sheet along the dashed lines. This way, she makes the figure shown on the right. Which craft sheet did Natalia use?

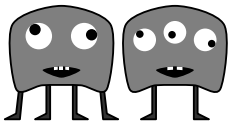


(**A**)  (**B**)  (**C**)  (**D**)  (**E**) 

B4 The numbers 1 2 3 4 5 6 7 8 9 10 11 12 are printed on a strip of paper. Tim folds the strip exactly in the middle and gets 1 2 3 4 5 6. He repeats this once more and gets 1 2 3. Tim then pierces the box showing the number 1 and the boxes beneath it with a needle.
What is the sum of the four numbers which have been pierced?

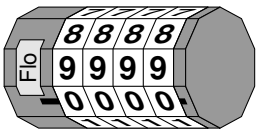
(**A**) 22 (**B**) 23 (**C**) 25 (**D**) 26 (**E**) 28

B5 The Monster family has some new arrivals: 7 cute babies. Each baby has either 2 eyes and 4 legs or 3 eyes and 2 legs. Altogether, the babies have 20 legs. How many eyes do the 7 babies have in total?



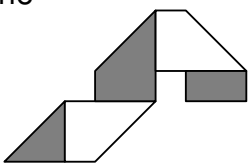
(**A**) 14 (**B**) 15 (**C**) 16 (**D**) 17 (**E**) 18

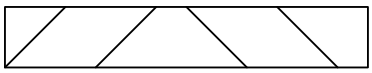
B6 Flo has forgotten the correct combination to his bicycle lock. He remembers that all 4 digits are odd and that the 4 digits become either smaller or larger from left to right.
How many combinations does Flo have to try at most to open the lock?

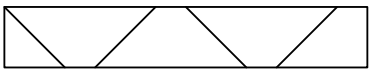


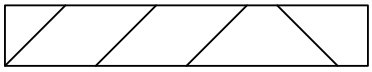
(**A**) 10 (**B**) 12 (**C**) 14 (**D**) 16 (**E**) 18

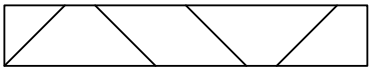
B7 Amira folds a strip of paper along 4 diagonal lines (see picture). She unfolds the strip again. Where do the fold lines appear on the light side of the strip?

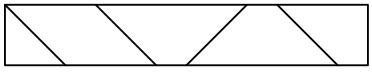


(**A**) 

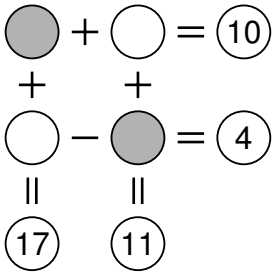
(**B**) 

(**C**) 

(**D**) 

(**E**) 

B8 A number is written in each of the four empty circles to make the two horizontal and two vertical calculations correct.
What is the sum of the two numbers written in the grey circles?



(**A**) 10 (**B**) 13 (**C**) 15 (**D**) 16 (**E**) 19

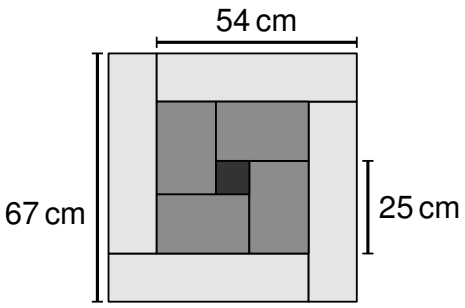
5 point problems

C1 A restaurant has three different menus (see picture).
Each menu has a starter, a main course and a dessert. Mr. König cannot decide which to choose and asks the waiter to bring him a starter, a main course and a dessert at random. After the meal, Mr. König realises he had exactly one dish from each menu.
Which three dishes did he have?

menu 1	**menu 2**	**menu 3**
soup	soup	salad
salmon	cutlet	cutlet
pudding	ice cream	pudding

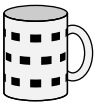
(**A**) soup, salmon, ice cream (**B**) salad, cutlet, ice cream (**C**) soup, salad, pudding
(**D**) salad, salmon, ice cream (**E**) salad, salmon, pudding

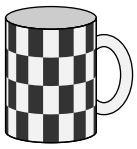
C2 The large square in the diagram is divided into four equal light grey rectangles, four equal dark grey rectangles and a small black square in the centre. Some of the side lengths are shown in the diagram. What is the side length of the small black square?



(**A**) 6 cm (**B**) 7 cm (**C**) 8 cm (**D**) 9 cm (**E**) 10 cm

C3 The five cups shown belong to Leonard, Rajesh, Amy, Penny and Sheldon. Leonard's cup and Rajesh's cup are the same size but their handles are different colours. Amy's cup and Penny's cup are different sizes but their handles are the same colour. Which cup belongs to Sheldon?

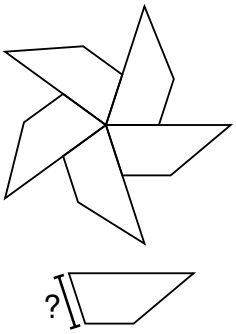
(**A**)  (**B**)  (**C**) 

(**D**)  (**E**) 

C4 My grandfather tries to repair his alarm clock. However, he must have mixed up two wires because two digits are now swapped on the digital display.
His alarm clock currently shows 15:69. What will the clock show one minute later?

(**A**) 25:69 (**B**) 16:69 (**C**) 16:60 (**D**) 15:79 (**E**) 10:70

C5 Konstantin has five 23 cm long wires. He bends the wires to make five identical quadrilaterals and then puts them together to make a "pinwheel" (see picture). The perimeter of the pinwheel is 75 cm.
What is the length of the side of the quadrilateral with the question mark?



(**A**) 3 cm (**B**) 4 cm (**C**) 5 cm (**D**) 6 cm (**E**) 7 cm

C6 Five flowerpots are on a balcony. Five children look after them, each caring for a different pot. Floris and Jasmin together have three times as many flowers as Lilly. Jasmin and Camilla together have twice as many flowers as Yves. Which pot is Floris looking after?

(**A**)  (**B**)  (**C**) 
(**D**)  (**E**) 

C7 A group of window cleaners cleans all the windows of an office building. Each of them cleans the same number of windows. If the building had 80 more windows, each cleaner would have to clean 4 more windows. If there were 8 fewer window cleaners, each cleaner would have to clean 6 more windows. How many windows does the building have?

(**A**) 240 (**B**) 220 (**C**) 180 (**D**) 160 (**E**) 120

C8 Imagine writing all the numbers from 1 to 1000 in a row in increasing order without leaving any spaces. How many times could the number 26 be found within this sequence?

(**A**) 11 times (**B**) 20 times (**C**) 27 times (**D**) 31 times (**E**) 33 times