

Year 5 and 6 (ENGLISH VERSION)



Thursday, 20th March 2025



Time allowed: 75 minutes

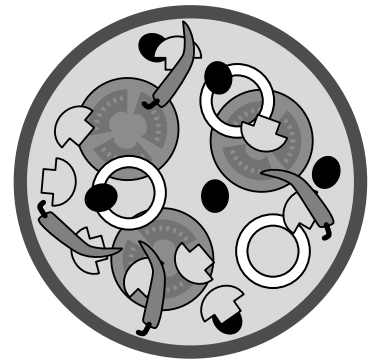
- For each question exactly one of the 5 options is correct.
- Each participant is given 24 points at the beginning. For each correct answer 3, 4 or 5 points are added. No answer means 0 points are added. If a wrong answer is given, one quarter of the points is subtracted, i.e. 0.75 points, 1 point or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

3 point problems

- A1** Emil puts five different toppings onto this pizza one at a time.
Which topping did Emil put onto the pizza last?

(A) onion rings 
(C) black olives 
(E) chillis 

(B) slices of tomato 
(D) mushrooms 

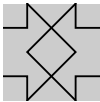
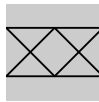
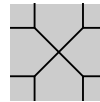
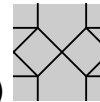
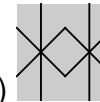


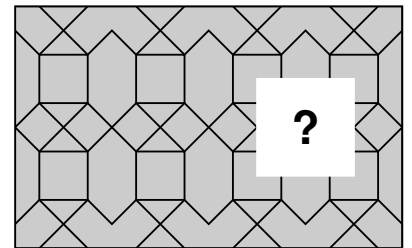
- A2** The year is made from large digits and put on top of the town gate.
What can be seen from the other side?

2025

(A) 2005 (B) 2505 (C) 5520 (D) 2205 (E) 5205

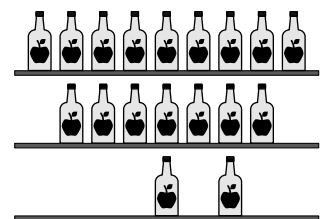
- A3** Which of the pieces below would complete the pattern?

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

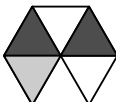
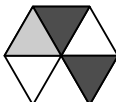





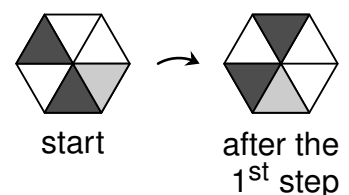
- A4** On three shelves there are bottles of apple juice as shown. Monika wants to move some bottles from the top and middle shelves onto the bottom shelf so that each shelf has the same number of bottles.
How many bottles should be taken from the shelf in the middle?

(A) 1 (B) 2 (C) 3 (D) 4 (E) 5



- A5** Maja rotates a hexagonal sheet of paper clockwise one step at a time.
The positions at the start and after the 1st step are shown on the right.
What does the sheet look like after the 8th step?

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



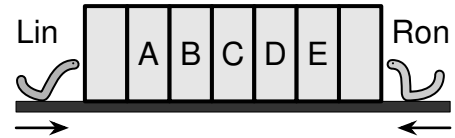
- A6** The menu of my favourite burger restaurant is written on a board. The rain has washed away some of the numbers. The burgers are in order of price, starting with the least expensive.

Veggie	3.70
Classic	.30
Bacon	.80
Cheesy	.60
Special	6.50

Which of the following is the price of one of the burgers?

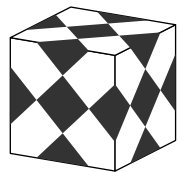
- (A) 4.60 (B) 4.80 (C) 5.30 (D) 5.80 (E) 6.30

- A7** Lin the bookworm eats through one book every two hours. Ron the bookworm only needs one hour to eat through one book. They both start eating at the same time. They meet in one of the books. In which one?



- (A) in A (B) in B (C) in C (D) in D (E) in E

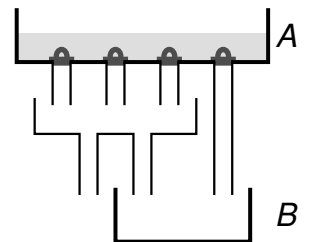
- A8** Square black stickers are stuck on a cube. One is stuck onto each edge and one is stuck in the middle of each face. All faces of the cube look the same. How many stickers are used in total?



- (A) 24 (B) 20 (C) 18 (D) 16 (E) 14

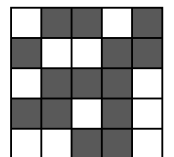
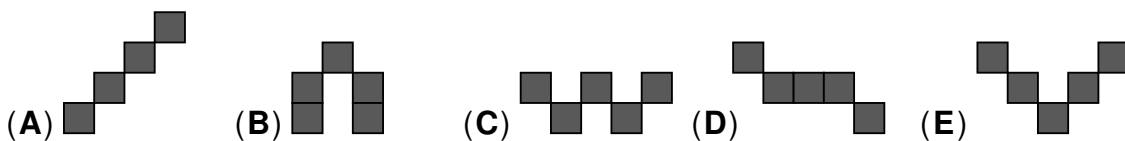
4 point problems

- B1** There are 16 litres of water in container A. The four stoppers in container A are pulled out at the same time and the water drains evenly. How much water flows into container B?



- (A) 9 litres (B) 10 litres (C) 11 litres (D) 12 litres (E) 13 litres

- B2** Four of the shapes below can be found in the picture on the right. The shapes may have been rotated. Which shape cannot be found in the picture?



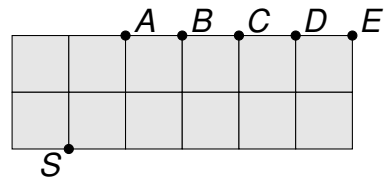
- B3** My school's swimming team is practising for a relay competition. The five swimmers each swim the same distance, one after the other. The pictures below show the split times on their coach's stopwatch when each swimmer finished.



Exactly 10 minutes and 3 seconds after the start, the fifth swimmer finished. Which swimmer swims the distance in the shortest amount of time?

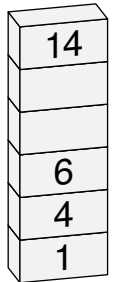
- (A) the first (B) the second (C) the third (D) the fourth (E) the fifth

- B4** The shape shown is made of identical squares. It can be divided into two equal parts by a straight cut through point S. Which other point does this cut run through?



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

- B5** Ali builds a tower of blocks. He numbers each block. Each block in the tower should have a number at least two greater than the one beneath. How many ways can Ali label the two empty blocks?



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

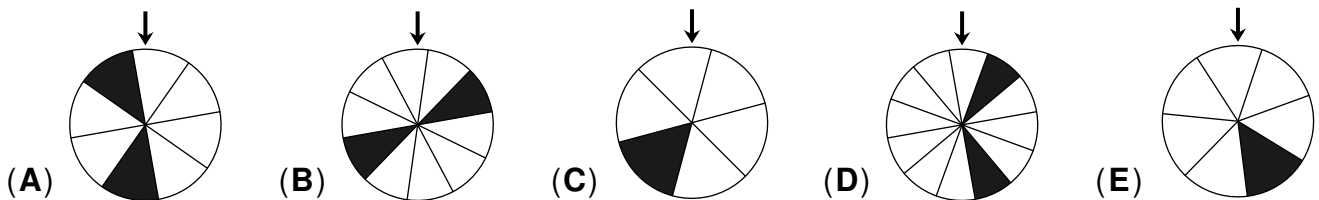
- B6** Each card below shows two 2-digit numbers. However, some of the digits are hidden by ink. On only one of the cards, the sum of the digits of each 2-digit number is the same. Which card is it?

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

- B7** Two turtles take part in a 40 m race. Each of them moves at a constant speed. When the first turtle covered 10 m, the second turtle covered only 7 m. How far from the finish line will the second turtle be when the first turtle finishes?

(A) 8 m (B) 9 m (C) 10 m (D) 12 m (E) 15 m

- B8** The picture shows five wheels of fortune. Each wheel is divided into identical parts. You spin a wheel. You will win a prize if the wheel stops with the arrow pointing at a shaded part. Which wheel gives you the best chance of winning?



5 point problems

- C1** Kolo the Goblin always tells the truth except on Wednesdays, Fridays and Sundays when he always lies. One day, Solej the elf wanted to know which day it is. She and Kolo had the following conversation:

Solej: "Which day of the week is it today?"

Kolo: "Today is Sunday."

Solej: "And what day is it tomorrow?"

Kolo: "Tomorrow is Thursday."

On which day of the week did this conversation happen?

(A) on a Tuesday (B) on a Wednesday (C) on a Friday
(D) on a Saturday (E) on a Sunday

- C2** In each square on the figure shown, a 0 or a 1 is written. One square already contains a 0. The sum of the four numbers in each row, each column and both diagonals should be 3. What is the sum of the four numbers in the grey squares?

		0	

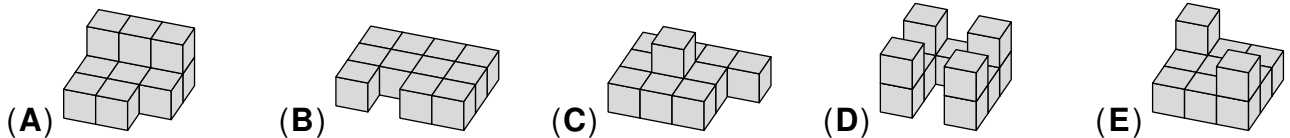
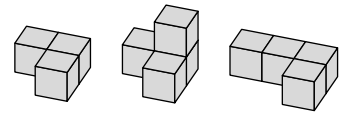
(A) 0 (B) 1 (C) 2 (D) 3 (E) 4

- C3** I cut the shape on the right along the lines into five equal pieces. Each piece is the same shape and is made from three squares. Which letter is on the piece with the star?

A	B	C	
	☆		
	D	E	

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

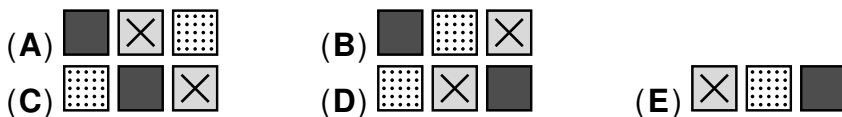
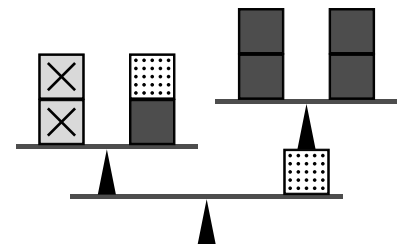
- C4** Tino uses the three shapes shown on the right. Which of the larger shapes below could he build?



- C5** Greta and Miray each have the digits 1 to 9. They both arrange them to make three 3-digit numbers. Each then ordered their numbers from smallest to largest. They compare the 3-digit numbers that are in the middle. Greta has the largest possible number that can be obtained as the middle number. Miray has the smallest possible number that can be obtained as the middle number. What is the difference between their two middle numbers?

(A) 490 (B) 586 (C) 618 (D) 642 (E) 684

- C6** Three different types of blocks are put onto balance scales. All three scales are in balance. Blocks with the same appearance have the same mass. Which picture below shows the blocks in order from lightest to heaviest from the left to the right?



- C7** Sara has 3 times as many sparkling stones as Rasmus. She then gives a quarter of her stones to Rasmus. Sara now has 6 more sparkling stones than Rasmus. How many sparkling stones do they have altogether?

(A) 72 (B) 64 (C) 54 (D) 48 (E) 40

- C8** Lotte finds 3-leaved, 4-leaved and 5-leaved clovers in a meadow. She wants to give her mother a bunch containing exactly 23 leaves. How many different ways could she do this?



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