



Student application
number

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First name(s)

Family name

Opportunity Class Placement Test

Thinking Skills Question Paper

2023

30 minutes

INSTRUCTIONS FOR CANDIDATES

Please read this page carefully.

DO NOT OPEN THIS QUESTION PAPER UNTIL YOU ARE TOLD TO DO SO.

A separate answer sheet is provided for this test. Please fill in the following information on your answer sheet and on this question paper:

- Student application number
- First name(s)
- Family name

There are **30** questions in this paper. For each question there are four possible answers, **A, B, C, and D**. Choose the **one** correct answer and record your choice on the separate answer sheet. If you make a mistake, erase thoroughly and try again.

You will **not** lose marks for incorrect answers, so you should attempt **all 30** questions.

You **must** complete the answer sheet within the time limit. There will **not** be any extra time at the end of the exam to record your answers on the answer sheet.

You can use the question paper for working out, but no extra paper is allowed.

Calculators and dictionaries are **NOT** allowed.



Cambridge Assessment
Admissions Testing

PV2



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- 1 Inge and Finn first met on a Tuesday. They met again 8 days later. They then met for the third time 4 days later.

On which day did Inge and Finn meet for the third time?

- A Tuesday
 - B Wednesday
 - C Saturday
 - D Sunday
- 2 After school, Cecilia likes to visit her favourite juice stand to buy a drink. The stand sells four types of juice, which are available on different days. Cecilia does not like apple or orange juice, but she will visit the stand as long as she can buy a drink that she likes.

juice	days available
lemon	Monday and Wednesday
orange	Tuesday, Wednesday and Thursday
apple	Thursday and Friday
grape	Monday, Tuesday and Friday

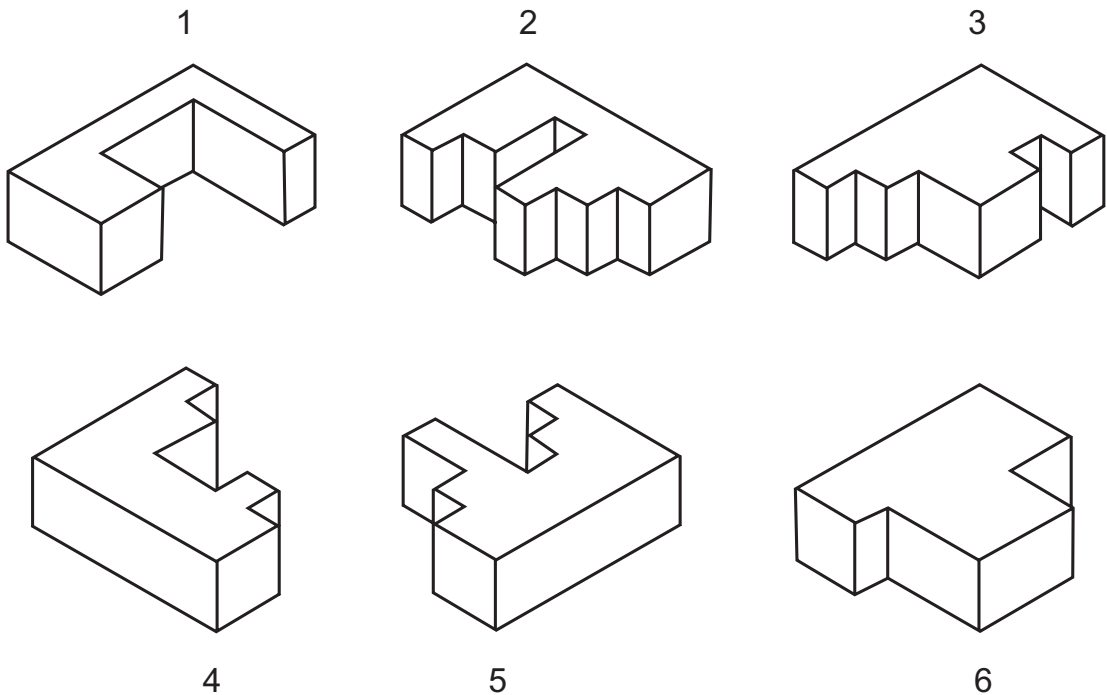
On which day will Cecilia **not** visit the juice stand?

- A Tuesday
- B Wednesday
- C Thursday
- D Friday

- 3 Nick wants to learn to speak the Wiradjuri language, but he thinks it will take him a long time. Medika suggests a solution: "You should spend some time in Wagga Wagga. There are plenty of people there who can speak Wiradjuri."

Which one of these statements, if true, best supports Medika's claim?

- A Nick can travel to Wagga Wagga fairly easily.
 - B Learning a language always takes hard work and concentration.
 - C Medika has learned to speak three different languages.
 - D Languages are easier to learn if you practise speaking them with other people.
- 4 The wooden puzzle below fits together to make a cube. Pairs of blocks will fit to make one of the three layers which will complete the cube.



How are the blocks paired together to make each of the three layers of the cube?

- A 1 and 5; 2 and 6; 3 and 4
- B 1 and 6; 2 and 5; 3 and 4
- C 1 and 4; 2 and 5; 3 and 6
- D 1 and 6; 2 and 3; 4 and 5

5

Simon is watching a news report which claims that nearly a third of Australians go swimming regularly.



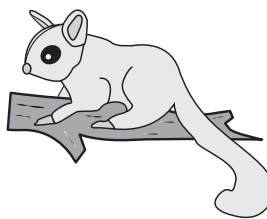
Simon: “That can’t be true – I almost never go swimming, and neither do any of my friends.”

Which one of the following sentences shows that Simon has made a mistake?

- A Simon may prefer other forms of exercise, such as running.
- B Swimming may have become more popular in recent years.
- C The news report that Simon is watching may be incorrect.
- D Simon may live in an area where there are few opportunities to go swimming.

6

Staff at a wildlife hospital are building a structure to house sugar gliders. The structure has three levels: one for food, one for a water bowl, and one for a hollow log that a sugar glider can use as a nest.



If the food is on a lower level than the water bowl and the log is higher than the food, which one of the following statements must be true?

- A The middle level has the log.
- B The lowest level has the food.
- C The highest level has the water.
- D The middle level has the food.

- 7 John is collecting a set of toy robots based on his favourite television program. The robots come in different colours and John still needs the red and green robots to complete his set. The local shop has an offer where they will sell any of the following packs of three robots for \$10.

pack 1	red	blue	yellow
pack 2	red	yellow	pink
pack 3	green	pink	purple
pack 4	blue	orange	pink

John has a friend who has a spare green robot and will swap it for a pink robot.

Which pack should John buy to be able to complete his set?

- A pack 1
- B pack 2
- C pack 3
- D pack 4

- 8 A scientist, Melanie, is trying to figure out why the number of fish in a nearby lake has decreased over the past year.



Melanie: “The lake has become more polluted over the past year as well, so it must be the pollution that is causing many fish in the lake to die.”

Which one of the following sentences shows that Melanie has made a mistake?

- A The number of fish in other lakes might not have decreased over the past year.
 - B Pollution may also cause health problems in humans.
 - C The number of plants in the lake might not have decreased over the past year.
 - D More people may have fished from the lake over the past year.
- 9 Some students are growing flowering plants by different windows in their school and keeping track of when they bloom.

The students put a geranium in the canteen and a guppy plant in the music room.

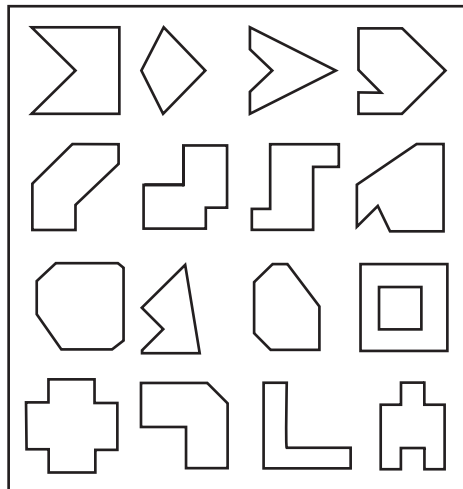
The wax plant they chose for the school hall bloomed before the guppy plant but after the bromeliad in the library.

The geranium bloomed on the same day as the plant in the school hall.

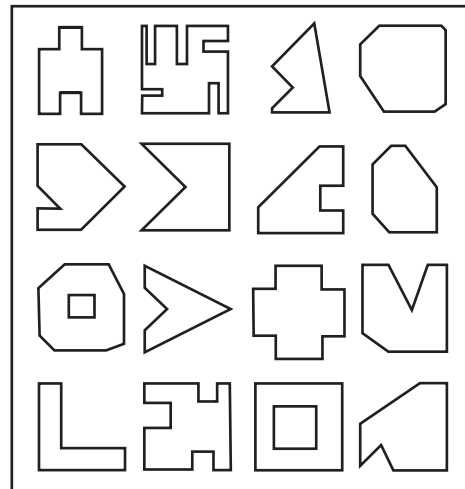
One of the plants bloomed a day before any of the others. Which one was it?

- A the geranium
- B the guppy plant
- C the wax plant
- D the bromeliad

- 10 The 16 shapes in Set 2 shown below should be identical to the shapes shown in Set 1.



Set 1



Set 2

How many of the shapes in Set 2 are not identical to a shape in Set 1?

- A 2
 - B 3
 - C 4
 - D 5
- 11 A gardener is giving advice about taking care of plants. He says: "Some people think talking to plants is strange, but it's actually a really good idea. After all, you're more likely to remember to water them if you treat them like friends!"

Which one of these statements, if true, best supports the gardener's claim?

- A People often notice details about a plant's health when they are talking to it.
- B Some people believe that plants can understand what people say to them.
- C Talking to plants won't help people avoid overwatering them.
- D Talking to plants is a very old tradition.

- 12** Four friends are in a car together. There are two seats in the front and two in the back. Katelyn is either driving or sitting beside Talia. Talia is sitting behind the driver. Jimmy is not sitting in the back, and he is not sitting beside Andrea.

Who is driving the car?

- A** Andrea
- B** Jimmy
- C** Katelyn
- D** Talia

- 13** In a word game, players make words out of letters. Each letter has a value that is a whole number that is at least 1. The score for the word is the total of the values of all the letters in the word.

For example: The word TOO scores 4.
The word TWO scores 6.
The word HOOT also scores 6.
The word THAT scores 7.

What is the score for the word THAW?

- A** 6
- B** 7
- C** 8
- D** 9

14

Iluka wants to buy a sandwich. He is currently waiting in the queue at Sliced Bread Sangers.



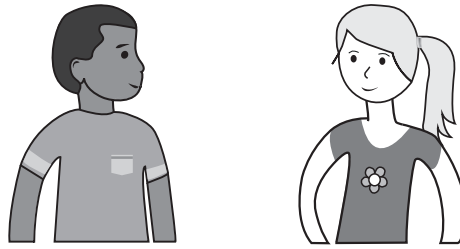
Iluka: “Sliced Bread Sangers always take 15 minutes to make my favourite sandwich. But the Loafing Around bakery down the road always take 10 minutes. It takes less than five minutes to walk there – so I should head to Loafing Around and then I’ll get my sandwich sooner.”

Which one of the following sentences shows that Iluka has made a mistake?

- A** Sliced Bread Sangers may make better sandwiches than Loafing Around.
- B** Sliced Bread Sangers may have a wider range of sandwiches than Loafing Around.
- C** The sandwiches at Loafing Around may be more expensive than those at Sliced Bread Sangers.
- D** The queue at Loafing Around may be longer than the one at Sliced Bread Sangers.

15

Mei and Kirra's class is due to go on an excursion to an observatory so they can look at the stars through the big telescope. The only children in the class who are not going on the excursion are the ones who need to play in the soccer match.



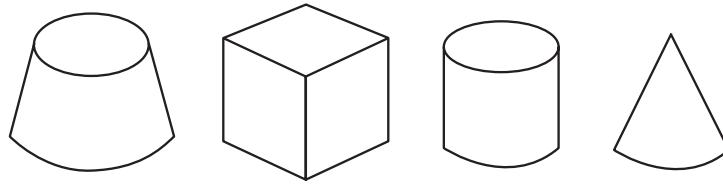
Maliyan: “Mei does not play soccer, so she must be going to the observatory.”

Robyn: “Kirra is not going to the observatory, so she must be playing in the soccer match.”

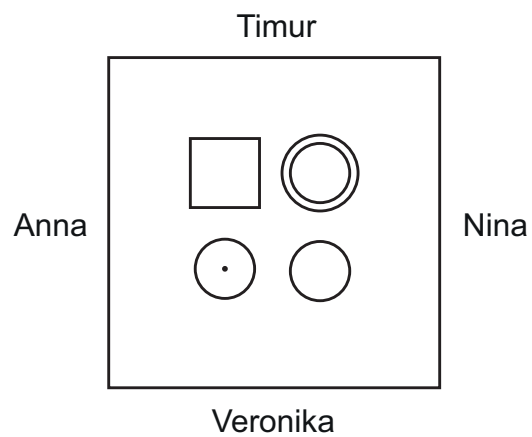
If the information in the box is true, whose reasoning is correct?

- A Maliyan only
- B Robyn only
- C both Maliyan and Robyn
- D neither Maliyan nor Robyn

- 16 Anna, Nina, Veronika and Timur sit at a square table which has four wooden blocks arranged on its top. The types of block are shown below.



The friends sit at the table as shown in this view from above.



One of the friends has the following view.



Which one of the friends has the view shown above?

- A Anna
- B Nina
- C Timur
- D Veronika

- 17 To win a soccer match you have to score more goals than the other team.

Grant Valley High School plays soccer in a competition with a group of other schools. They are awarded points for winning and drawing matches but no points for losing. The team with the most points at the end of the season comes top of the competition.

At the end of the season, Grant Valley High School had sadly failed to score a single goal.

Which one of the following must also be true?

- A Grant Valley High School came bottom of the competition.
- B Grant Valley High School lost more matches than any of the other teams.
- C Grant Valley High School won fewer matches than any of the other teams.
- D Grant Valley High School failed to win any matches.

- 18 The students in Tahnee's class must choose either Jacob or Nicole to represent their class in the school chess competition.

Jacob won 3 of his last 14 games in the chess club.

Nicole won 11 of her last 12 games in the chess club.



Tahnee: "Nicole has won a higher fraction of her recent games at the club, so she must be the better player. She should represent our class."

Which one of the following sentences shows that Tahnee has made a mistake?

- A There may be another player in the class who is better than Nicole.
- B Jacob might have played against better opponents in his games.
- C Nicole has not played as many games as Jacob.
- D They may have played lots of other games outside of the chess club.

- 19 In a school for young magicians, the weekly timetable is the following:

	Monday	Tuesday	Wednesday	Thursday
9:00–10:00	stars & sky	potions & poisons	spells	herbs
10:00–11:00	farsight	herbs	broom flight	stars & sky
11:00–12:00	spells	charms	farsight	broom flight

The young magicians need their magic wand for three classes: spells, charms, and herbs. There are no classes on Fridays.

This week, the classes on Wednesday are cancelled due to a competition.

For how many classes do the young magicians need their wands this week?

- A 2
- B 3
- C 4
- D 5

- 20 Chris is making a sandwich for his younger sister Sally. Sally knows that Chris likes puzzles, so she challenges him to arrange the four ingredients in her sandwich in a specific way. She tells him that the lettuce must not touch the mayonnaise, the cheese must not touch the lettuce, and the mayonnaise must go directly on top of the chicken.

If Chris makes the sandwich following Sally's rules, which ingredient will be on top?

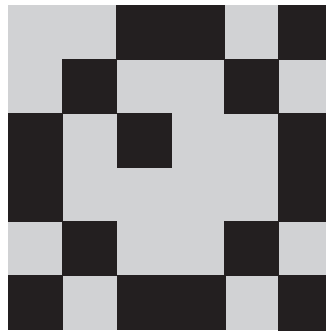
- A cheese
- B chicken
- C lettuce
- D mayonnaise

- 21** A vet is talking about baby animals. She says: "In the case of wild animals, it's best to avoid touching them. But for kittens, puppies, and other pets at home, careful handling is important to make sure they're developing properly."

Which one of these statements, if true, best supports the vet's claim?

- A** Some people have pets at home that were once wild animals.
- B** Handling puppies and kittens often helps them to be less afraid of people.
- C** Many people help wild animals by putting out food and water for them.
- D** Handling puppies and kittens is something many people enjoy doing.

- 22** A wall is decorated using a set of identical tiles, but some of the tiles were rotated before being added to the wall. A section of the wall, made up of 4 complete tiles, is shown below.



Which one of the following could be the design on each of the tiles?

- A**
- B**
- C**
- D**

- 23** Peter needs to return a book to Fiona, but he will not see her today. However, he knows that the following meetings will happen:

Peter will meet Zhang at 09:00.

Sam will meet Tim at 10:00.

Tim will meet Ursula at 11:00.

Ursula will meet Fiona at 12:00.

Which one of the following additional meetings would enable Fiona to receive the book today?

- A** Fiona will meet Sam at 09:30.
- B** Fiona will meet Tim at 11:30.
- C** Zhang will meet Tim at 10:30.
- D** Zhang will meet Ursula at 12:30.

24

Last winter, Mr Murray planted twenty crocus plants but only five of them grew. After some research, Mr Murray found that there were two possible reasons for this:

- The winter may have been too warm, as crocuses need cold weather to grow.
- Possums may have dug up the crocus plants for food before they could fully grow.

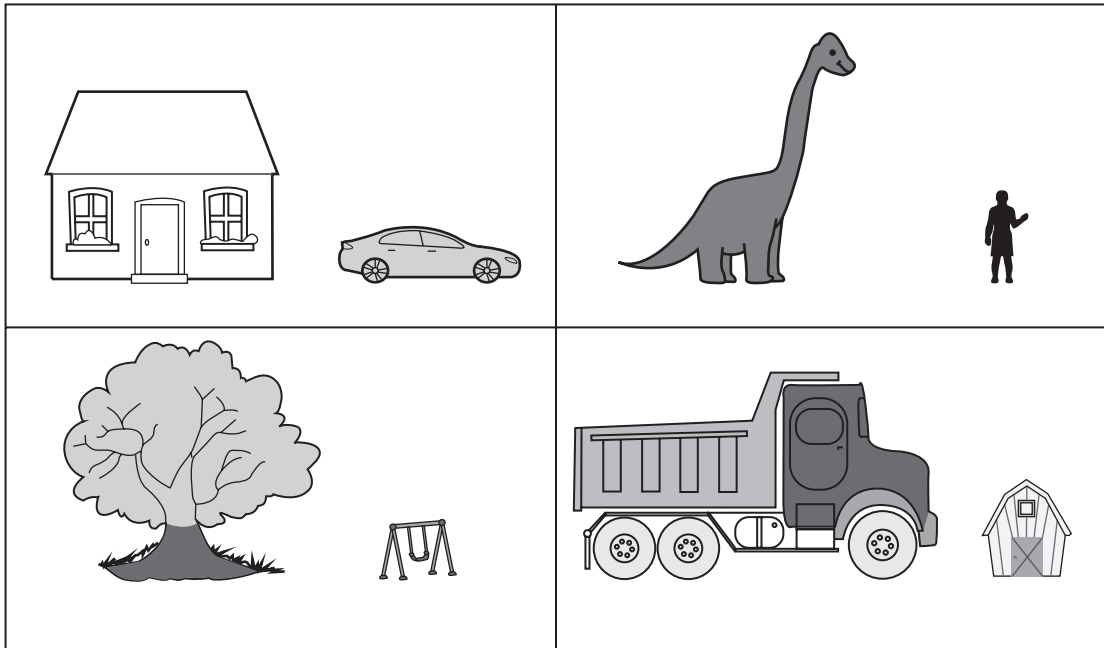


Mr Murray: “I checked the weather reports and the average temperature during the winter was indeed higher than normal. That must be the reason why so many of the crocuses didn’t grow, so I shouldn’t blame the possums.”

Which one of the following sentences shows that Mr Murray has made a mistake?

- A** The crocuses may have been affected both by warm weather and by possums.
- B** The warmer winter may have allowed possums to find other food sources.
- C** Possums may also like to eat other flowering plants such as tulips.
- D** Possums may only dig up crocus plants to eat if they cannot find anything else.

- 25** The following 4 diagrams show pairs of objects. For the objects in each pair, the scale is the same. The height of the car is 1.5 metres, the person is 2 metres, the swing is 2.5 metres and the farm shed is 3 metres tall.



Which of the following is the tallest?

- A** dinosaur
 - B** house
 - C** tree
 - D** truck
- 26** During a science lesson, the teacher says that the most effective way to reduce water waste at home is to make sure that your taps are not leaking.

Which one of these statements, if true, best supports the teacher's claim?

- A** A huge amount of water is wasted in people's homes every year.
- B** It is very easy to fix taps that are leaking.
- C** Leaking taps are the biggest source of water waste in households.
- D** There are many different ways to reduce water waste at home.

27 Idris is trying to solve a puzzle.

He has four boxes labelled W, X, Y, and Z.

He knows that there is a different amount of treasure in each box.

He has four clues about the boxes (the fourth clue is not shown):

Clue 1: Box X contains more treasure than box Z.

Clue 2: Box W contains more treasure than box Y.

Clue 3: Box W contains more treasure than box X.

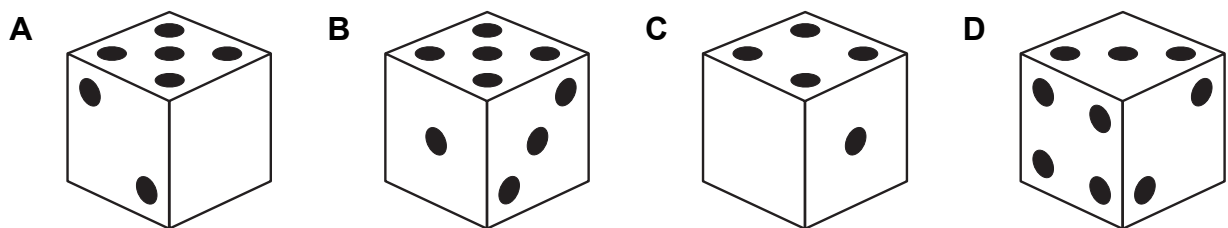
After reading all four clues, Idris is able to put the chests in order of how much treasure they contain.

Which one of the following could be the fourth clue?

- A Box Y contains more treasure than box X.
- B Box X contains more treasure than box Y.
- C Box W contains more treasure than box Z.
- D Box Y contains more treasure than box Z.

28 An unusual dice is labelled such that the numbers of dots on opposing faces add up to five. One of the faces has no dots. No two faces have the same number of dots as each other.

Which diagram shows a possible view of the dice?



29

ADVERTISEMENT: Anyone who loves musicals will love the new animated musical *Carimba!*



Tina: “Connor adores *Carimba!* So that tells me he is a big fan of musicals.”

Which one of the following sentences shows that Tina has made a mistake?

- A** *Carimba!* may have won the award for best musical.
- B** *Carimba!* may appeal to people who do not normally like musicals.
- C** *Carimba!* may be Connor’s favourite movie.
- D** *Carimba!* may have changed the kind of things Connor likes to watch.

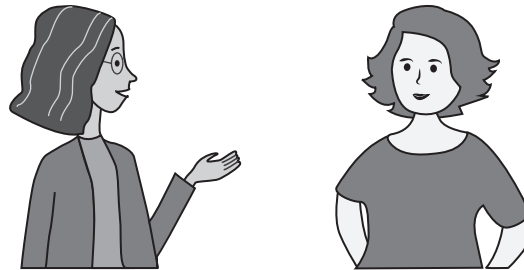
30

In the first round of a tennis competition every player plays 5 matches.

To qualify for the second round a player must win at least 4 of their matches.

Darren and Monaro have both won all of their first 3 matches. They are about to play each other.

There are no draws in tennis.



Alyssa: “At least one of Darren and Monaro will qualify for the second round.”

Emily: “Darren and Monaro can’t both qualify for the second round.”

If the information in the box is true, whose reasoning is correct?

- A Alyssa only
- B Emily only
- C both Alyssa and Emily
- D neither Alyssa nor Emily

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