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First name(s)

Family name

Opportunity Class Placement Test

Thinking Skills Question Paper

2022

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.



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- 1** A garden path leading to a pond at the end of a garden has 29 tiles. The tiles are in the following order: 2 white tiles, 2 black tiles, 1 purple tile, 1 red tile. The tiles are repeated in the same order until the path ends.

What is the colour of the last tile?

- A** black
- B** purple
- C** red
- D** white

- 2** Samuel helped his grandmother arrange her books in a new bookcase. The bookcase has three shelves, one for each of her three favourite kinds of books: poetry, mysteries, and science fiction.

If mysteries are higher in the bookcase than poetry, and science fiction is lower in the bookcase than mysteries, which one of the following statements must be true?

- A** Science fiction is on the lowest shelf.
- B** Poetry is on the highest shelf.
- C** Mysteries are on the highest shelf.
- D** Poetry is on the middle shelf.

- 3** A scientist says: "Flowers aren't just pretty to look at. They can help us in practical ways too."

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

- A** Some flowers that grow wild in nature can be threatened by human activity.
- B** Many more people are now choosing to plant flowers at home.
- C** Planting flowers on farms attracts insects that eat crop-damaging pests.
- D** Flowers have been studied by humans for centuries.

4 We have these ingredients available at home to make some biscuits:

- 500 g flour
- 250 g butter
- 250 g sugar
- 6 eggs

The table shows the ingredients and quantities needed to make 4 different biscuits.

<i>ingredient</i>	<i>butter biscuits</i>	<i>sable biscuits</i>	<i>shortbread biscuits</i>	<i>sugar biscuits</i>
flour (g)	240	200	250	315
butter (g)	227	150	360	226
sugar (g)	100	100	110	200
eggs	2	2	0	1

Which biscuits **cannot** be made with the ingredients available?

- A butter biscuits
- B sable biscuits
- C shortbread biscuits
- D sugar biscuits

5 Cactus plants come in a variety of shapes and sizes. They typically grow in hot countries, and are usually covered in very sharp spines.



Jordan: “The prickly plant in my sister’s room must be a cactus – it has lots of sharp spines.”

Which one of the following sentences shows the mistake Jordan has made?

- A Cactus spines might not always be very sharp.
- B There might be cactus plants without spines.
- C It might not be a good idea to keep a spiny plant indoors.
- D There might be spiny plants that are not cactus plants.

- 6 The company that Owen works for has a small car park with just five parking spaces in a row. He has arrived at work in his car and wants to park.

If the car park is over half full, which one of the following statements **cannot** be true?

- A Owen has nowhere to park.
- B Owen parks his car with an empty space on both sides.
- C Owen takes the last free space.
- D Owen parks his car with an empty space on one side.

- 7 Four people took part in a competition consisting of six challenges. For each challenge, points were awarded as follows:

1st place	5 points
2nd place	3 points
3rd place	2 points
4th place	1 point

The final result of the competition was:

1st	Imran	24 points
2nd	Jenny	20 points
3rd	Karen	12 points
4th	Lucas	10 points

One player scored the same number of points in every challenge.

Which player was this?

- A Imran
- B Jenny
- C Karen
- D Lucas

- 8 Adam often gets a really bad headache when it's raining. And when Adam gets a headache he doesn't come to school.



Claudia: "Adam is not at school today and it's raining, which means he must have a headache."

Which one of the following sentences shows the mistake Claudia has made?

- A It may be that Adam gets headaches even when it is not raining.
 - B Adam might have a headache for another reason.
 - C There may be other reasons why Adam is not at school.
 - D Having a headache may not be a good enough reason not to come to school.
- 9 Ms Williams was helping another student when she heard the sound of smashing glass. She turned round and saw someone had dropped all of the glass jars when they were taking them out of the equipment cupboard. Anya, Brianna and Charlie were the only students at the cupboard so one of them must be responsible. Ms Williams went over to talk to them.

Anya said: "It was me."

Brianna said: "I didn't do it."

Charlie said: "Actually, Anya didn't do it."

If only one of the students is telling the truth, who dropped the glass jars?

- A Anya
- B Brianna
- C Charlie
- D There's not enough information to tell.

- 10 A number between zero and eleven is written in Morse code using the table below:

A	· -	B	- · · ·	C	- · · ·	D	- · ·	E	·
F	· · · ·	G	- · · ·	H	· · · ·	I	· ·	J	· - - -
K	- · ·	L	· · · ·	M	- -	N	- ·	O	- - -
P	· - - ·	Q	- - - ·	R	· · ·	S	· · ·	T	-
U	· · -	V	· · · -	W	· - -	X	- · · -	Y	- · - -
Z	- - · ·								

The number has three letters.

Unfortunately the code is written without breaks between each letter as shown below:

- · - - - - -

Which number is written in Morse code?

- A one
 - B six
 - C ten
 - D two
- 11 A principal said to her staff: "It is important for teachers to make things a little bit tricky for their students at times."

Which one of these statements, if true, most supports the principal's claim?

- A People remember things for longer if they found them harder to learn.
- B Some children learn new things more easily than others.
- C Not all children are interested in learning the same things.
- D Teachers sometimes forget about the needs of their students.

- 12 Four people are seated around a table, one at each side. The table is rectangular, with two short sides and two long sides. Neha is seated on Aditya's left, and opposite Madison.

On the basis of this information, which one of the following statements **cannot** be true?

- A Sunanda and Madison are seated at the two long sides.
- B Sunanda and Neha are seated at sides of different lengths.
- C Aditya and Sunanda are seated at the two short sides.
- D Madison and Neha are seated at sides of the same length.

- 13 I am about to take part in a five-day 'Adventure Experience Week'.

On each of the five days I must choose one of the four available activities shown in the table below.

<i>day 1</i>	<i>day 2</i>	<i>day 3</i>	<i>day 4</i>	<i>day 5</i>
canoeing	mountain biking	skateboarding	canoeing	skateboarding
swimming	swimming	snorkelling	mountain biking	swimming
rock climbing	snorkelling	horse riding	swimming	horse riding
surfing	horse riding	surfing	rock climbing	surfing

I have decided I will do canoeing, mountain biking, swimming, rock climbing and surfing.

On which day must I choose to do swimming?

- A day 1
- B day 2
- C day 4
- D day 5

14

Allira's football coach has promised to take the three players who miss the fewest practices to see a match played by the coach's favourite team.



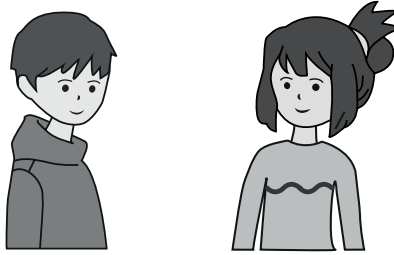
Allira: "I never miss a practice, so the coach will definitely take me to the match."

Which one of the following sentences shows the mistake Allira has made?

- A** Allira's friends all prefer video games to football.
- B** There may be a lot of players who only missed one practice.
- C** Some of the other players on the team don't support the same team as the coach.
- D** There might be more than three players who never miss a practice.

15

Koji and Akiko are looking at old photos of their grandfather. The only times their grandfather was really happy was when he visited his beach hut. And when he was really happy, he always threw a party.













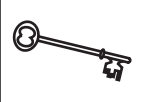





Koji: “Grandfather is very happy in this photo. It must have been taken at his beach hut.”

Akiko: “This other photo is of Grandfather at a party he hosted. It must have been taken at his beach hut.”

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

- A Koji only
- B Akiko only
- C Both Koji and Akiko
- D Neither Koji nor Akiko

- 16 The table below shows a number of images which can be used in puzzles to make different words.

							
rain	pig	monkey	pan	hornet	owl	spring	ring
							
rabbit	cow	key	net	ark	grain	leg	arch

An example is shown below:



From 'monkey' take 'key' away from the end of the word leaving 'mon' then add 'arch' to the end of 'mon' to make the new word 'monarch'

What does the following picture sum spell?



- A Regain
- B Rink
- C Spain
- D Sparkle

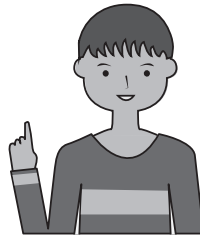
17 Marianne is drawing a map of six trees near her house.

On the map, the gum tree is north of the paperbark and northwest of the bottlebrush. The paperbark is north of the wattle and east of the pine. The fig is west of the pine.

Which tree is northeast of the wattle?

- A the fig
- B the gum tree
- C the paperbark
- D the bottlebrush

18 Each year at Alice's school, a prize is awarded to the student who writes the best short story.



Alice: "People who win the prize have usually written at least three pages. This year, only Josh and Amy have written that much, so one of them is sure to get the prize."

Which one of the following sentences shows the mistake Alice has made?

- A Josh or Amy, or both, may have bigger than average handwriting.
- B It might be that the winner sometimes writes less than three pages.
- C It might be that the winner sometimes writes four pages or more.
- D Josh or Amy, or both, may have won the prize last year.

- 19** My walk to work each morning takes me through a local park. The length of the path through the park is 530 metres from the entrance to the exit.

Yesterday, I was 60 metres from the exit when I discovered that both of my gloves had fallen out of my coat pocket somewhere along the path. I found one of them after walking back 70 metres and then found the other one after walking a further 90 metres back after picking up the first one. I was then able to continue my walk to work.

How much further than usual was the total distance I walked through the park yesterday morning?

- A** 320 metres
- B** 380 metres
- C** 440 metres
- D** 480 metres

- 20** Three children take turns choosing a toy from a box. The box contains a racing car, a train and a puzzle.

We don't know what order the children chose their toys, but we do know which toys each child prefers.

Carol will choose the first toy available from: racing car, puzzle, train.

Frank will choose the first toy available from: puzzle, train, racing car.

Martha will choose the first toy available from: racing car, train, puzzle.

Carol has the puzzle today.

In what order did the children choose their toys today?

- A** Frank, Carol, Martha
- B** Frank, Martha, Carol
- C** Martha, Carol, Frank
- D** Martha, Frank, Carol

- 21** Neville is trying to convince his parents to let him have a pet dog. They complain that they are under too much stress to look after the dog for Neville when he is busy or if he gets bored with it. Neville claims that a dog would be good for the whole family, however.

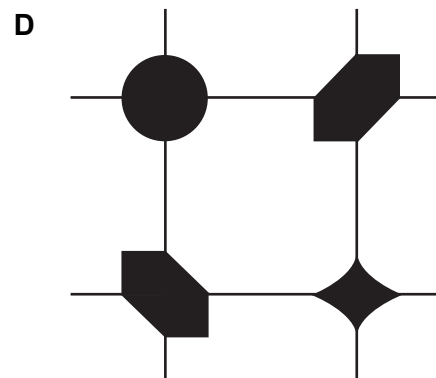
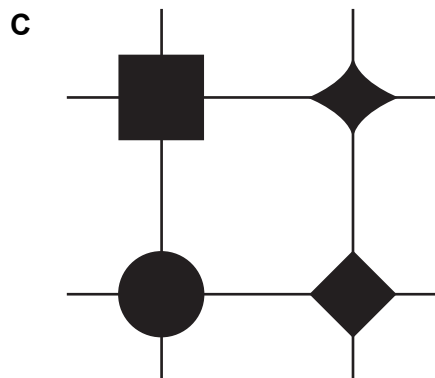
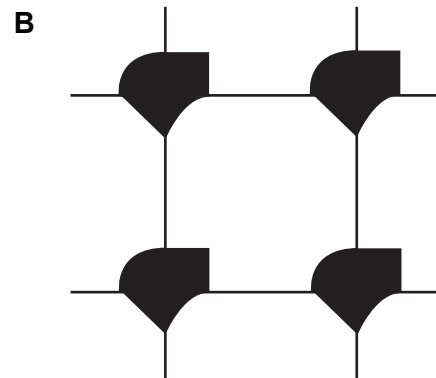
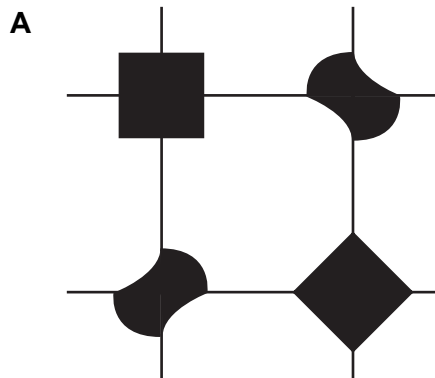
Which one of these statements, if true, best supports Neville's claim?

- A** Neville took good care of the tropical fish he had when he was younger.
- B** Most people have at least one pet at some point in their childhood.
- C** Dogs have been found to reduce the stress levels of everyone who lives with them.
- D** Neville's parents always complain when he wants to take up a new hobby.

- 22 A decorator is going to tile a bathroom floor. The tiles he is going to use all have the same design, as shown:



Which one of the following repeating patterns **cannot** be made by arranging the tiles in a suitable way?



- 23 Zara is having dinner at a friend's house and she's offered some baked beans. She says: "If I eat baked beans, I always get a stomach ache afterwards."

If what Zara says is true, which one of the following outcomes is **not** possible?

- A Zara eats the beans and gets a stomach ache.
- B Zara develops a stomach ache but didn't eat the beans.
- C Zara doesn't eat the beans and doesn't get a stomach ache.
- D Zara eats the beans and doesn't get a stomach ache.

- 24 The school principal, Mr Harris, finds a backpack left behind in the assembly hall. The only information to identify who the backpack belongs to is the name 'Jacob' written on a folder in it.



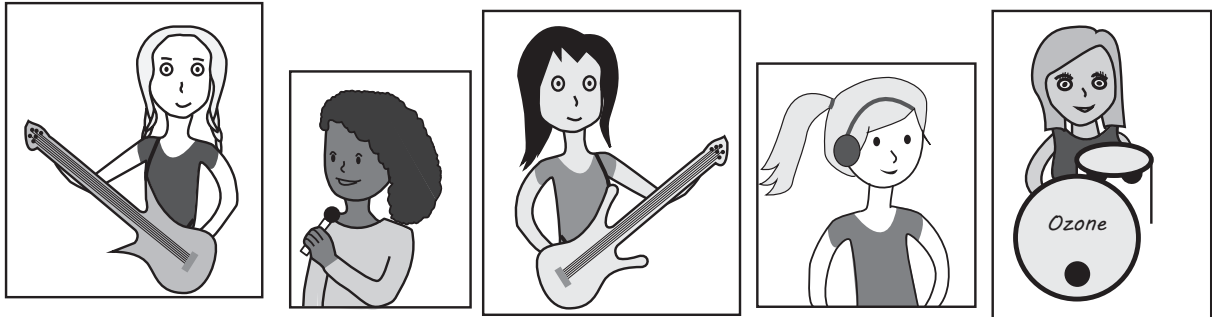
Mr Harris: "There are two students in the school with this first name. I know that Jacob W. plays the drums, but this folder has music for the piano in it. So this backpack must belong to the other student, Jacob T."

Which one of the following sentences shows the mistake Mr Harris has made?

- A Jacob W. might own two different backpacks.
- B Jacob W. might play both the drums and the piano.
- C Jacob W. might not have attended school that day.
- D Jacob W. might have been asked by Jacob T. to look after the backpack for him.

25 This picture of the girl group Ozone is in my newspaper today.

Ozone's tour dates revealed



Margo

Dido

Keiko

Juno

Cleo

The text below the picture states that the band members, from left to right, are Margo, Dido, Keiko, Juno and Cleo.

My friend tells me, however, that none of the names are in the right place and no two people who are supposed to be next to each other, according to the text beneath, are actually next to each other in the picture.

I recognise Cleo, so I know she is the middle person in the picture.

Who is actually in the far right of the picture?

- A Dido
- B Juno
- C Keiko
- D Margo

26 When interviewed on the radio, a medical doctor said that we should try not to drink too much orange juice if we care about our health.

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

- A A large amount of water is needed to grow oranges.
- B Orange juice from a carton is less healthy than orange juice from a glass bottle.
- C The high sugar content of orange juice can make people overweight.
- D Not drinking enough liquid every day is bad for the kidneys.

- 27** As the editor of the school newspaper you have to assign topics to your team of four writers. The paper has four sections, each based on a different topic: news, sports, arts, and technology.

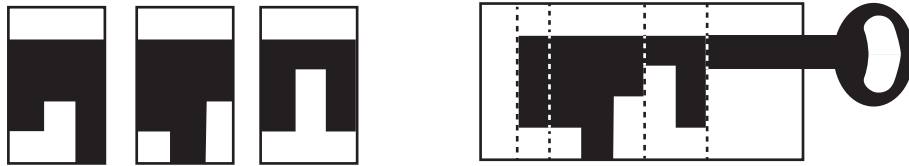
You need at least two articles for each section of the paper and, for variety, you don't want any writer to write two articles on the same topic. The four writers have told you what they would like to write about:

- Amrit is only interested in sports and technology.
- Brandon will write about anything other than sports.
- Cindy can't write about news or technology.
- Darren is only happy to write about news and technology.

What topics should you ask Brandon to write about?

- A** news and technology
- B** news and arts
- C** arts and technology
- D** sports and arts

- 28 Three small cards are used to form pictures of keys. There is a circular piece that forms the head of the key. Three small cards are used to make the body of the key and are allowed to overlap and can be used in any order. The three cards and a key that can be made from them are shown below.



Which one of the following keys can be made using the same set of three cards?



- 29 Mr Gardner runs a shop selling many different types of fresh fruit. Last week, he decided to increase the price of his bananas. After seven days, he checks the records of his sales and confirms that fewer of his customers are buying bananas.



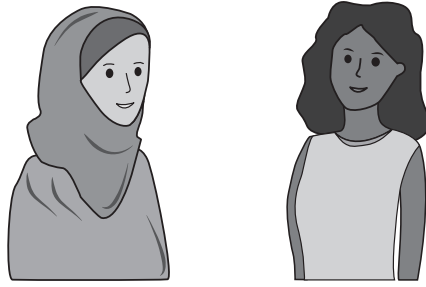
Mr Gardner: “It looks like the bananas are now less popular because they are more expensive. I need to go back to the price that they used to be a week ago.”

Which one of the following sentences shows the mistake Mr Gardner has made?

- A There might be other reasons why people have bought fewer bananas.
- B He might lose money if he lowers the price of the bananas.
- C His customers might not remember what price the bananas were last week.
- D He may also need to lower the price of the other fruit he is selling.

30

You can only play on your school's sports team if you are feeling well. If you are ill or injured on the day you cannot do any sport until you feel better.



Mrs Karimi: “Kelly missed a competition today, so she must be ill.”

Ms Davis: “If she’s ill, and she doesn’t feel better by Saturday, she will miss the Saturday competition too.”

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

- A Mrs Karimi only
- B Ms Davis only
- C Both Mrs Karimi and Ms Davis
- D Neither Mrs Karimi nor Ms Davis

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