| Student application number | S | 2 | 1 | 0 | | | | | |
|---|---|---|---|---|---|---|---|---|---|

**Given name(s)** _____

**Family name** _____

# Selective High School Placement Test

Thinking Skills Question Paper

**Test 01** **40 minutes**

**INSTRUCTIONS TO 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:

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

There are **40** 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 40** 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.

Trinity Tuition College
Knowledge to inspire

© Trinity Tuition College

**BLANK PAGE**

**Please join our Facebook Group for more questions and solutions**

**https://www.facebook.com/groups/trinitytuition**

**or**

**Sign up for**
**1 set x Online trial test for Free**

**https://www.trinitytuitioncollege.com.au**

**1** On the street that Leanne and Tina live on, the rubbish bins are emptied every Sunday.

**Leanne**: "I am never at home on Sundays, so I won't be able to take the rubbish bins out"

**Tina**: "I have to go out shopping on Sunday afternoon, so I won't be able to take the bins out either"

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

**A** Leanne only

**B** Tina only

**C** Both Leanne and Tina

**D** Neither Leanne nor Tina

**2** **Selena**: "I love to sleep in. Getting up at dawn is for the birds. I just feel tired and sleepy if it's too early."

Which one of these statements, if true, most **strengthens** Selena's argument?

**A** You feel more refreshed and alert if you get more sleep.

**B** Over sleeping can make you feel fatigued.

**C** Waking up early is good for your health and wellbeing.

**D** Birds are always awake and alert when they wake up.

**3** If you want to excel at basketball, you must have talent and work hard.

If this is true, which one of these sentences must also be true?

**A** If you have talent but do not work hard, you can still excel at basketball.

**B** If you do not play basketball, you must not have worked hard and have no talent.

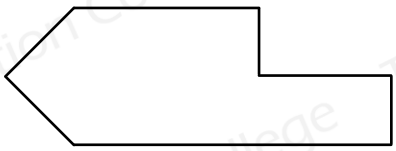
**C** If you work hard, then you can be talented at basketball.

**D** If you have talent, then you can excel at basketball if you work hard enough.

**4** Shown below are three shapes.

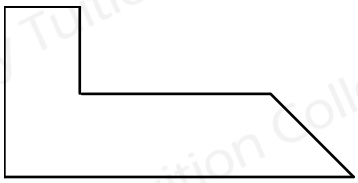
Which one of the following big pieces can be created by combining the three small shapes?

**A**

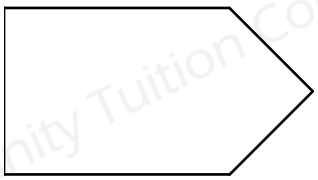


**B**

**C**



**D**



**5**

At the end of each semester, students need to achieve an overall score of 80 to pass. They are given a score for the practical component and a score for the theory component which are added up. The practical and theory component are scored out of 50 each.

**John**: "I obtained 36 for my practical. I need at least 44 in my theory to pass this semester."

**Paul**: "I obtained 25 for my practical. There's no way I can pass this semester."

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

**A** John only

**B** Paul only

**C** Both John and Paul

**D** Neither John nor Paul

**6** The children Jay, Seth, Anthony, Anna and Tony are all in one family. Jay is 3 years younger than Anthony. Seth is 1 year older than Anna. Jay and Anna are twins. Anna is 7 years old. Tony is not the oldest child.

Only one of the following sentences is true. Which is it?

**A** All the children are 8 or older.

**B** Anthony is the oldest child in the family.

**C** Jay is 8 years old.

**D** Anthony is 3 years older than Seth.

**7** A farmer has 176 female cows.

This year 147 of them had kids.

None of them have had more than two kids.

182 kids have been born altogether.

How many of the cows have had one kid only?

**A** 108

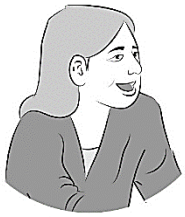
**B** 99

**C** 112

**D** 122

**8**

An average adult needs to eat at least 2 cups of fruit a day as part of a healthy eating pattern.



**Rafael**: “I can just drink 2 cups of juice instead of eating 2 fruits each day.”

Which one of these statements, if true, most **strengthens** Rafael’s argument?

**A** Juice can sometimes contain more vitamins than the fruit itself.

**B** Some nutrients are lost from fruit when they are turned into juice.

**C** Juice can be quite acidic and full of added sugar.

**D** Juice tastes much sweeter than the fruits itself.

**9** In the shooting competition during the school fair, prizes are given out to the players who finish first, second and third, and to anyone who gets at least two 3-pointers.

**Isabelle**: “Well, I know that one player scored three 3-pointers this year. So that means that four players will get prizes.”

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

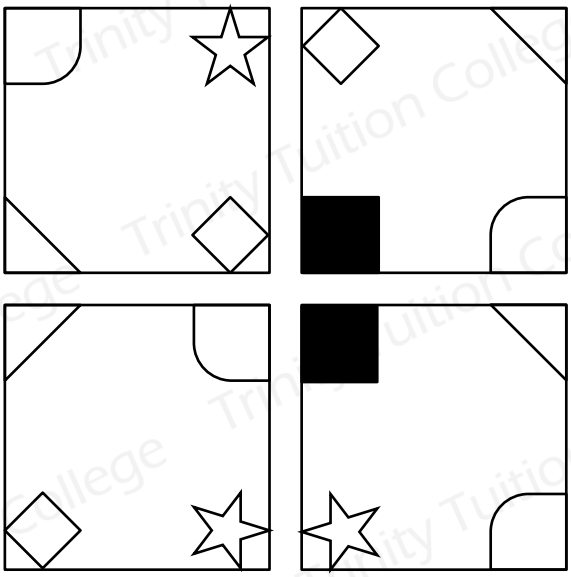
**A** That player did not score exactly 2 3-pointers.

**B** The players who scored 3 3-pointers might have finished first, second or third.

**C** We do not know how many players were in the competition.

**D** Inexperienced players might find it harder to shoot 3-pointers.

**10** I have used 4 identical tiles to make a pattern. The centre of the 4 tiles is missing.



Using the same orientation as the diagram above, what is the pattern that is covered by the black rectangle?

**A**

**B**

**C**

**D**

**11** Lewis, Darren and Ryan have 20 dumplings each.

They take it in turns to roll a die.

- If the number rolled is even, then that person receives the number of dumplings shown on the face of the die from each of the other two people.
- If the number rolled is odd, then that person must give the number of dumplings shown on the face of the die to each of the other two people.

Lewis rolls a 3

Darren rolls a 4

If the friends end up with 15, 36 and 9 dumplings respectively, which number does Ryan roll?

**A** 2

**B** 3

**C** 4

**D** 5

**12** Five houses stand together in a row. One person lives in each house; each person likes a different sport; they all use different forms of transport. We also know that:

- Brad likes basketball and lives next to Isaac, who is on the left end of the row and drives a sedan.
- Yong rides a bicycle.
- The person who likes ping pong lives in the middle of the row.
- Amelia drives a motorcycle and does not like soccer.
- The person who likes swimming does not have a truck.
- Eva likes baseball; she lives next to Amelia and two houses from Yong.
- The person who drives a van also likes baseball.
- The person who likes tennis lives next to the person who likes ping pong.

Who lives on the right end of the row?

**A** Isaac

**B** Yong

**C** Amelia

**D** Eva

**13** There are ten students in the Mathematics class. They take three tests, each one out of 100.

The results of the first two tests taken are shown below/

| Student | Test 1 | Test 2 |
|---|---|---|
| Julia | 66 | 74 |
| Fred | 38 | 41 |
| Blair | 88 | 75 |
| Georgia | 73 | 78 |
| Francis | 93 | 40 |
| Zayn | 85 | 37 |
| Ben | 74 | 67 |
| Lucy | 60 | 92 |
| Norman | 36 | 91 |
| Janet | 52 | 67 |

A prize is awarded to the student with the highest combined total score from the three tests. If two students are tied for the highest score, nobody gets the prize.

As the scores currently stand, one student can be sure to win this prize if a high enough score is achieved in the final test.

What is the minimum score in the final test that will guarantee this student the prize?

**A** 90

**B** 91

**C** 89

**D** 87

**14** **Gerald**: “My dentist tells me that chewing ice is very bad for your teeth. It can lead to cracked and chipped teeth.”

Which one of these statements, if true, most **strengthens** Gerald’s argument?

**A** Chewing ice will make your teeth more resistant to cold.

**B** If not chewed properly, the ice can become a choking hazard.

**C** Ice has no harmful effects if consumed.

**D** Chewing on ice strengthens your jaw muscles.

**15** Each student in the class was asked to come up with sentences to form a story.

**Derek**: “This task is easy! Random words in front of random words make random sentences.”

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

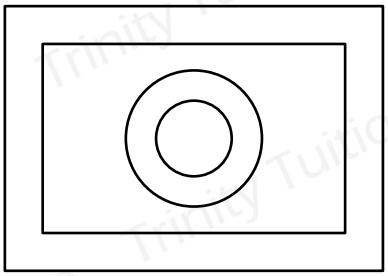
**A** It may be difficult to write down random words.

**B** Some sentences do not have words in them.

**C** The random words may not make sense as a sentence when put together.

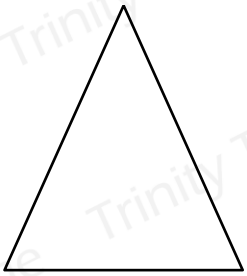
**D** Some of the sentences may be too similar to each other.

**16** This is the view of an object from above.

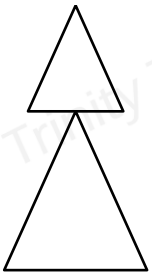


Which one of the following is a possible view from the side?

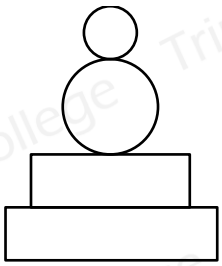
**A**



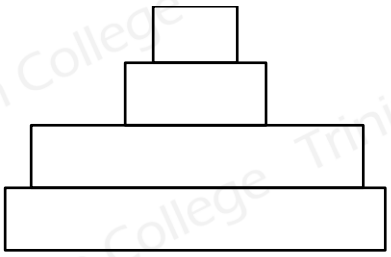
**B**



**C**



**D**



**17** Chris is attempting to transfer from his current course into a new course. If a student wants to enter the new course and is not currently enrolled in a course, they must take a test as well as attend an interview.

If a student is currently in a course, then they only need to pass the test. If they were not in a course, then they either needed to get an excellent score on the test or do well in both the interview and the test.

Chris failed to get a place in the new course. What must have been the reason?

**A** Chris did not get an excellent score on the test.

**B** Chris did well on the test but not the interview.

**C** Chris did badly on the test and the interview.

**D** Chris failed the test.

**18**

| Haigh's is a shop at the mall that only sells chocolates. |
|---|

**Lydia**: "If you see somebody who has bought chocolates from the mall, it must be from Haigh's."

**Jane**: "If somebody has bought a kettle from the mall, then it must not have come from Haigh's."

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

**A** Lydia only

**B** Jane only

**C** Both Lydia and Jane

**D** Neither Lydia nor Jane

**19** The prices for passes for a train are shown in the table below.

| Pass for 1 day | Pass for 4 consecutive days | Pass for 7 consecutive days |
|---|---|---|
| $5 | $10 | $25 |

I will need to travel by train on the following days of the month: 2, 3, 5, 6, 7, 8, 11, 13, 14, 15

How much is the cheapest valid combination I could use?

**A** $30

**B** $40

**C** $45

**D** $50

**20** Only two mammals like spicy food: humans and the tea shrew.

Which one of these statements, if true, most **weakens** the above argument?

**A** My dog loves spicy food.

**B** Some humans hate spicy food.

**C** All birds love spicy food.

**D** Monkeys hate spicy food.

**21** If 3 pairs of socks cost as much as 1 shirt, 2 pairs of pants cost as much as 4 pairs of socks, and 2 pairs of shoes cost as much as one pair of pants. How many shirts could I exchange for 48 pairs of shoes.

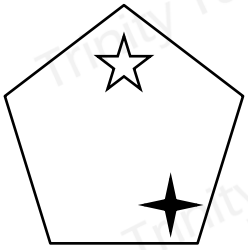
**A** 16

**B** 15

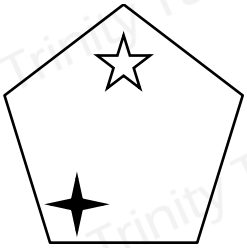
**C** 17

**D** 18

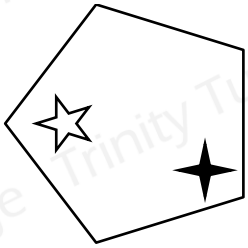
**22** Which shape is a rotation of the one shown below.



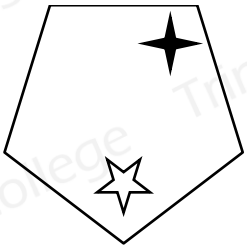
**A**



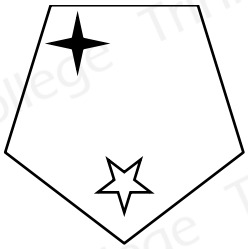
**B**



**C**



**D**



Trinity Tuition College

**23** Each person gets a different deal at McDonald's each day. These deals can be different between different people.

**Kim**: "My deal today is a Big Mac for $3. If you also have $3, we can each have a Big Mac for lunch today."

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

**A** Kim's friend might not have the same deal as her.

**B** There may not be a McDonald's nearby.

**C** Kim may not have $3.

**D** Hungry Jacks has a deal with their burger for $2

**24** In a survey, everyone who liked basketball liked swimming. Everyone who liked swimming liked ping pong, but no one who liked swimming liked running.

James, Mary, Gwen and Alice all took part in the survey.

Based on the above information, which one of the following must be true?

**A** If James likes ping pong, he also likes swimming.

**B** If Mary does not like running, she does not like ping pong.

**C** If Alice likes basketball, she does not like running.

**D** If Gwen does not like basketball, she does not like running.

**25** Brian has a deck of cards, but he is not sure how many cards he has. If he arranges the cards in groups of four, he as 3 left over. If he arranges them in groups of three, he has none left over and there are 2 left over when he arranges them in groups of five. Brian does not have more than 30 cards, so how many does he have?

**A** 27

**B** 25

**C** 24

**D** 23

**26** Australia has some of the best swimmers because the whole country is surrounded by water.

Which one of the following, if true, most **weakens** the above argument?

**A** Other island countries do not have as many successful swimmers as Australia.

**B** Swimming at the beaches provides excellent training for swimmers.

**C** Swimming is taught in all schools in Australia.

**D** Most of Australia's best swimmers come from Australia's seaside.

**27**

Anybody who was not able to perform in the January musical will be guaranteed a performing spot in the concert at the end of the year if they want to.

**Luke**: I did not take part in the musical so I will definitely be in the concert this year.

**Cameron**: I was already in the musical this year, so I will not be able to perform in the concert.

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

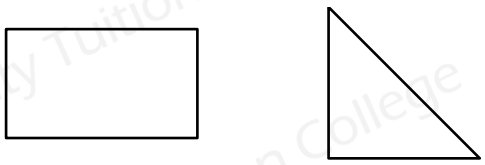
**A** Luke only

**B** Cameron only

**C** Both Luke and Cameron

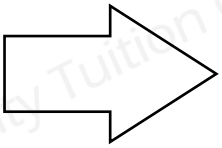
**D** Neither Luke nor Cameron

**28** Two different shapes are shown below.

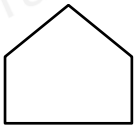


Which one of the following arrangements cannot be made by putting these shapes together?

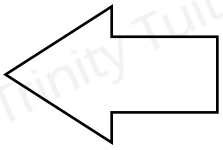
**A**



**B**



**C**



**D**

**29** Christine's cat is larger than Alex's cat, but is smaller than May's cat. Dom's cat is the same size as Zoe's cat, which is larger than Alex's cat but smaller than Christine's.

Who has the largest cat and who has the smallest cat?

**A** Christine and Dom

**B** Alex and Zoe

**C** May and Alex

**D** Dom and Alex

**30** Ethan is a dentist. He has patients booked in for Monday through Friday next week. He is seeing Lauren one day before Elliot. Max is booked two days after Tyler, who is one day after Elliot and one day before Hubert. Finally, Vicky is scheduled in three days after Elliot.

If Lauren is coming in on Monday, who has Ethan double booked?

**A** Elliot and Tyler

**B** Lauren and Hubert

**C** Elliot and Hubert

**D** Max and Vicky

**31** Elise wants to buy 6 apples. There are 4 shops that sell the apples that she wants. The shops, the prices of the apples and any special offers are shown in the following table:

| Shop | Normal price of apple | Special Offer |
|---|---|---|
| Shop A | \$6 | Buy 2, get a 3rd one for half price |
| Shop B | \$4 | None |
| Shop C | \$5 | Buy 3, get a 4th one free |
| Shop D | \$5 | Buy 1, get a 2nd one for half price |

Elise wants to buy all her apples from the same shop and to spend as little as possible.

If the specials can be repeated, which shop should Elise buy her apples from?

**A** Shop A

**B** Shop B

**C** Shop C

**D** Shop D

**32** More and more people are starting to work more hours, often not being able to spend a lot of time with their children at home.

Which one of the following statements, if true, most **strengthens** the above argument?

**A** The hiring of babysitters has increased over the years.

**B** Parents appreciate bonding with their children more.

**C** More workers are taking days off from work.

**D** Children are starting work at an earlier age.

**33** Five cars leave the meeting point at the same time. Car C arrives before cars A and B, but after car E. Car D arrives before car B but after car A.

Which car is the last to arrive at the destination?

**A** Car A

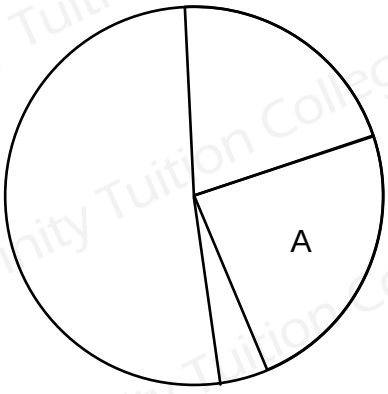
**B** Car B

**C** Car C

**D** Car D

**34** 100 people were asked to choose their favourite ice cream flavour. The results were shown below:

| | |
|---|---|
| Chocolate | 23 |
| Vanilla | 6 |
| Strawberry | 54 |
| Mint | 17 |




What is the flavour represented by A in the pie chart?

**A** Chocolate

**B** Vanilla

**C** Strawberry

**D** Mint

**35** **Karen**: “There is no point in wearing a mask if I am not sick. The only use of a mask is to keep the coughs and sneezes contained.”

Which one of these statements, if true, most **weakens** the above argument?

**A** Masks do not completely block everything from going through.

**B** Masks have poor aesthetics and limit freedom.

**C** Wearing a mask can make it harder to breathe.

**D** A mask acts as a barrier preventing disease from entering the mouth and nose.

**36** In a pet store there are only five dogs. Dog 1 is heavy, with red fur. Dog 2 is male and light, with the same colour as dog 3, who has yellow fur and wears a cap. Dog 4 is one of the three female dogs and dog 5 wears sunglasses and is heavy. All the dogs wear caps and at least one of the females wear sunglasses.

A light, red-furred dog wearing a cap is the oldest of the group. Who can it be?

**A** Dog 1

**B** Dog 2

**C** Dog 3

**D** Dog 4

**37** There are 64 apples on my apple tree. 27 are red and the rest are green. I know that 38 of the apples have worms in them, so I cannot eat them.

What is the maximum number of green apples I can eat?

**A** 37

**B** 64

**C** 27

**D** 26

**38** To qualify for the next stage of the race, a swimmer must be one of the fastest two swimmers or be faster than 1 minute for that stroke.

**Nick**: “I know that there are two swimmers that were faster than 1 minute this year. Therefore, there must be four swimmers going to the next round.”

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

**A** The fastest two swimmers were the ones that swam faster than 1 minute.

**B** 3 swimmers usually go to the next round in previous years.

**C** The total amount of swimmers is unknown.

**D** It may be difficult to swim faster than 1 minute.

**39** If Paul has 8 dollars more he would have twice as much as Andrew. If he has 5 dollars less, he will have the same amount as Andrew.

How much money does Andrew have?

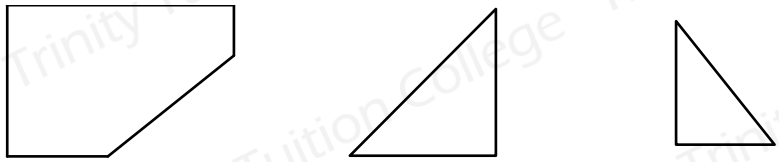
**A** 18

**B** 13

**C** 14

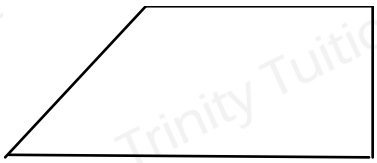
**D** 16

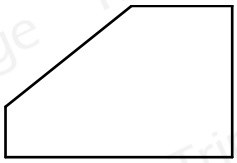
**40** Three shapes are shown below.

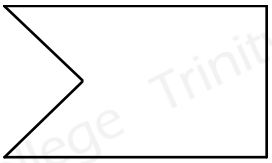


What shape can be made by combining the three shapes above?

**A**

**B** 

**C** 

**D** 

**BLANK PAGE**

**BLANK PAGE**

**BLANK PAGE**

Copyright © *Trinity Tuition College*. This document is copyright by the Australian Law and contains confidential content that is the property of *Trinity Tuition College*. Except for the purposes of executing or applying this report, no part of the documents provided by *Trinity Tuition College* may be copied, stored in a retrieval system or divulged to any other party without written permission. Any further reproduction or disclosing of the *Trinity Tuition College* materials by you or any other third parties may be subject of copyright protection under the Commonwealth Copyright Act 1968 (Act).

Such rights are reserved in all media.
You may not alter or remove any copyright or other notice from the copies of *Trinity Tuition College* contents.