Independent School Entrance Examination

Test Prep ISEE

Version Demo

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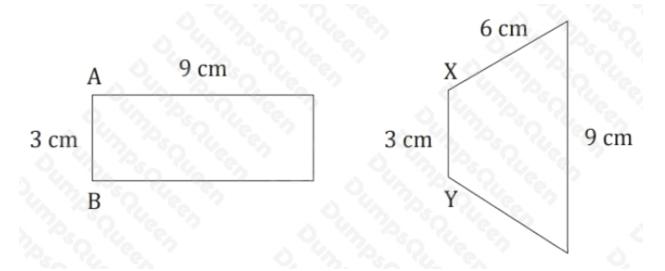
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Topic Break Down

Торіс	No. of Questions
Topic 1, Lower Level Test (Grades 4-5)	128
Topic 2, Middle Level Test (Grades 6-7)	161
Topic 3, Upper Level Test (Grades 8-11)	161
Total	450

QUESTION NO: 1

A rectangle (left) and a trapezoid (right) are shown with their side lengths below.



If the rectangle and trapezoid were joined along line segments AB and XY, what would be the perimeter of the resulting sixsided figure?

- **A.** 27
- **B.** 38
- **C**. 42
- **D.** 48

ANSWER: C

QUESTION NO: 2

Select the word that is most nearly the same in meaning as the word in capital letters.

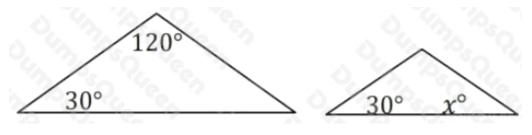
CALCULATE

- A. type
- B. enter
- C. implicate
- D. figure

ANSWER: D

QUESTION NO: 3

The figure below shows two similar triangles.



What is the value of x?

A. 30°

B. 60°

C. 120°

D. 180°

ANSWER: A

QUESTION NO: 4

Select the word that is most nearly the same in meaning as the word in capital letters.

ALTER

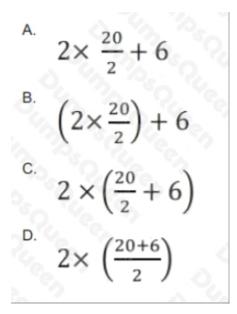
A. change

- B. conceal
- C. reject
- D. uproot

ANSWER: A

QUESTION NO: 5

Which of the following expressions is NOT equal to 26?



- A. Option A
- B. Option B
- C. Option C
- **D.** Option D

ANSWER: C

QUESTION NO: 6

If $(\blacksquare \times 2) + 60 = 300$, what number does \blacksquare stand for?
A. 180

- **B.** 120
- **C.** 110
- **D.** 80

ANSWER: B

QUESTION NO: 7

Select the word that is most nearly the same in meaning as the word in capital letters.

FRAGILE

Α.	weak
~ .	weak

B. lovely

- C. helpful
- D. luxurious

ANSWER: A

QUESTION NO: 8

- The Voyager spacecraft, launched from
- 2 Earth in 1977, recently left the solar system
- 3 and headed into interstellar space. As it did,
- 4 the ship carried an unusual calling card,
- 5 designed to introduce Earth to any alien being
- 6 that the Voyager might pass. Traveling now
- 7 billions of kilometers out in space are the
- 8 voices and sounds of life on Earth. They are
- 9 bolted to the side of Voyager 1 in the form of a
- 10 gold-plated phonograph record.
- 11 Shortly after American astronauts
- 12 returned from space in 1968, NASA released a
- 13 photograph of the Earth rising from behind the
- 14 Moon. According to Margaret Weitekamp, a
- 15 curator at the Smithsonian National Air and
- 16 Space Museum, that photo deeply touched the
- 17 creators of the gold record project. She said,
- 18 "Knowing that that picture was taken by a
- 19 human being profoundly changed the thoughts
- 20 of these people and really made them start
- 21 thinking about 'If we are this pale blue dot in

The gold-plated record is intended to be:

- A. the theme music of the Voyager launch when it is broadcast on television.
- B. a sentimental memento for the designers of the Voyager.
- C. a representation of life on Earth for any extraterrestrials who might find it.
- D. a part of the museum display that commemorates the Voyager spacecraft.

ANSWER: C

22 this ocean of vastness, then how do we23 communicate something about who we are?"

24 It made them think carefully about how 25 they might convey the greetings, the art and the talent of all humanity - not just the nation 26 that sent the spacecraft up. "There is music on 27 the record from Europe and the United States," 28 29 said Tim Ferris, who mixed the audio that went on the record. "But also from Africa, the South 30 Pacific, South America, Georgia, Russia, China, 31 and India." 32

33 The record contains greetings in 59 34 human languages. It has 118 pictures of life on earth, and 27 pieces of music exemplifying the 35 36 diversity of human creation. According to Ferris, "The Voyager record represents a step 37 along a long process of humans realizing that 38 39 we are not at the center of the universe and that our story is probably far from being the 40only story." 41

QUESTION NO: 9

Use the set of numbers shown to answer the question.

{6, 9, 12, 15, 18, ... }

Which describes this set of numbers?

- A. odd numbers
- B. even numbers
- C. prime numbers
- D. multiples of 3

ANSWER: D

QUESTION NO: 10

Victoria walks her dog at an average rate of 2 blocks per 5 minutes.

If she walked her dog for a total of 5 hours over the course of the week, how many blocks did she walk?

A. 50

- **B.** 60
- **C.** 100
- **D.** 120

ANSWER: D

QUESTION NO: 11

If the average of three consecutive even numbers is 24, what is the smallest of the three numbers?

A. 16

- **B.** 22
- **C.** 24
- **D.** 30

ANSWER: B

QUESTION NO: 12

A line with points (0, 1) and (2, -3) is plotted on a graph.
What is the slope of the line?
A . –3
B. –2
C 1/2

D. 2

ANSWER: B		

QUESTION NO: 13

Which is the largest fraction?

A. 3/7

B. 4/9

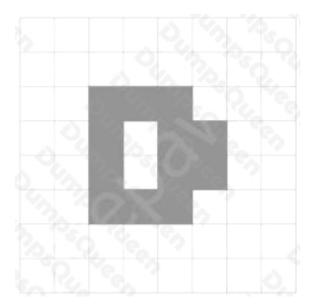
C. 5/10

D. 6/13

ANSWER: C

QUESTION NO: 14

The area of each grid square shown is 10 cm2.



What is the area of the shaded region?

- **A.** 60 cm2
- **B.** 100 cm2
- **C.** 120 cm2
- **D.** 140 cm2

ANSWER: C

QUESTION NO: 15

- 1 In 18th century France, the masses suffered greatly and ate poorly. The main 2 3 staple of the common diet was bread, and half 4 of the paltry income of the regular French citizen was dedicated to acquiring this simple 5 commodity. As crops failed, shortages 6 7 occurred, compounding the suffering of the poor. But while the common people suffered in 8 the streets, the privileged classes, cloistered 9 away in opulent mansions, ate and drank 10 luxuriously in their private worlds of wealth 11 12 and pleasure. 13 The stark inequalities of the era did not 14 escape the notice of the poor, and a smoldering resentment built among them, later to be 15 16 expressed in a conflagration of violence and rebellion. Indeed, the lavish lifestyles of the 17 aristocracy may have had even more to do 18 19 with the coming of revolution than the 20 troubles of the peasantry. 21 Upon hearing of the agonies of the 22 people, that they had "no bread to eat," Marie 23 Antoinette, then Dauphine and later Queen of 24 France, is reputed to have replied, "Let them 25 eat cake!" The utterance acquired a great 26 symbolic importance in the aftermath of the French Revolution, when historians used it to 27
- 28 illustrate the ignorance and indifference of the

The quotation "Let them eat cake" first appeared in:

- A. the popular culture of revolutionary France.
- B. the trial of Marie Antoinette.
- C. a book by Jean-Jacques Rousseau.
- D. a biography of Marie Antoinette.

ANSWER: C

QUESTION NO: 16

In the passage below, businessman and philanthropist Andrew Carnegie describes an interaction with business partners, which would influence their future relationship.

upper classes to the suffering of the poor. The 29 30 story expressed the feelings of the people, 31 spoke clearly and powerfully to the sentiment of the time, and agreed with the judgment of 32 the Revolutionary Tribunal that the Dauphine 33 was a traitor to the people - a judgment which 34 35 would lead her to the guillotine. It is an excellent tale, but it does have one minor flaw: 36 37 it is almost certainly not true.

38 It is, at the very least, a misattribution, 39 but very likely a total fabrication. It appeared 40first in Confessions, the autobiography of Jean-41 Jacques Rousseau, attributed only to a "great princess." Rousseau's Confessions was not 42 43 noted for its reliability, and even if we take the tale to be true, it would almost certainly have 44 been written while Marie Antoinette was still 45 only a small child. 46

47 Alas, a good story's survival rarely rests 48 on whether or not it actually happened. This 49 tale has survived the Queen as one of the most widely acknowledged "facts" of her life, and it 50is likely to persist, marching down into history, 51 bearing with it the spirit of an age - and 52 followed always by a chorus of historical 53 54 pedants, chanting persistently, "But of course, 55 it isn't true."

- 1 The sale of the bonds had not gone very 21 2 far when the panic of 1873 was upon us. One of 22 seventy." 3 the sources of revenue which I then had was 23 Mr. Pierpont Morgan. He said to me one day: 24 4 "My father has cabled to ask whether you 5 25 wish to sell out your interest in that idea you 26 6 gave him." 7 27 8 I said: "Yes, I do. In these days I will sell 28 anything for money." 29 my best wishes?" 9 "Well," he said, "what would you take?" 30 10 11 I said I believed that a statement recently 31 that." rendered to me showed that there were 32 12 already fifty thousand dollars to my credit, and 33 13 I would take sixty thousand. Next morning 34 14 when I called Mr. Morgan handed me checks 15 35 for seventy thousand dollars. 36 16 "Mr. Carnegie," he said, "you were 17 37
- mistaken. You sold out for ten thousand dollars 18
- less than the statement showed to your credit. 19
- It now shows not fifty but sixty thousand to 20

your credit, and the additional ten makes

The payments were in two checks, one for sixty thousand dollars and the other for the additional ten thousand. I handed him back the ten-thousand-dollar check, saying:

"Well, that is something worthy of you. Will you please accept these ten thousand with

"No, thank you," he said, "I cannot do

Such acts, showing a nice sense of honorable understanding as against mere legal rights, are not so uncommon in business as the uninitiated might believe. And, after that, it is not to be wondered at if I determined that so

- far as lay in my power neither Morgan, father
- or son, nor their house, should suffer through 38
- 39 me. They had in me henceforth a firm friend.

We can conclude from the information in the article that, in their later business dealings, the narrator probably:

A. dealt with the Morgans on good terms, and kept their interests in mind.

- **B.** continued to undercharge the Morgans as a gesture of friendship.
- C. tried to be more careful when calculating what he was owed, to avoid losing another large sum of money.
- **D.** took advantage of the Morgans' generosity by charging them more than things were worth.

ANSWER: A

QUESTION NO: 17 - (SIMULATION)

SIMULATION

Essay Topic

There are many challenges facing young people today. Name one such challenge, and explain what you think is the best way of dealing with this challenge.

- Only write on this essay question
- Only pages 3 and 4 will be sent to the schools
- Only write in blue or black pen

NOTES:

ANSWER: See explanation below.

Explanation:

You will have 30 minutes to plan and write an essay on the topic printed on the other side of this page. Do not write on another topic. An essay on another topic is not acceptable.

The essay is designed to give you an opportunity to show how well you can write. You should try to express your thoughts clearly. How well you write is much more important than how much you write, but you need to say enough for a reader to understand what you mean.

You will probably want to write more than a short paragraph. You should also be aware that a copy of your essay will be sent to each school that will be receiving your test results. You are to write only in the appropriate section of the answer sheet. Please write or print so that your writing may be read by someone who is not familiar with your handwriting.

You may make notes and plan your essay on the reverse side of the page. Allow enough time to copy the final form onto your answer sheet. You must copy the essay topic onto your answer sheet, on page 3, in the box provided.

Please remember to write only the final draft of the essay on pages 6-7 of your answer sheet and to write it in blue or black pen. Again, you may use cursive writing or you may print. Only pages 6-7 will be sent to the schools.

REMINDER: Please write this essay topic on the first few lines of page 6 of your answer sheet.

QUESTION NO: 18

Use the equations below to answer the question.

What is the value of

A. 25

B. 14

C. 10

D. 4

ANSWER: C

QUESTION NO: 19

- Many people have asked me what, all
- 2 things considered, is the most valuable quality
- 3 a wilderness traveler can possess. I have
- 4 always replied unhesitatingly; for, no matter
- 5 how useful or desirable attributes such as
- 6 patience, courage, strength, endurance, good
- 7 nature, and ingenuity may prove to be,
- 8 undoubtedly a person with them, but without a
- 9 sense of direction, is practically helpless in the
- 10 wilds. Therefore, I should name a sense of
- 11 direction as the prime requisite for those who
- 12 would become true foresters, those who would
- 13 depend on themselves rather than on guides.
- 14 The faculty is largely developed, of course, by
- 15 practice, but it must be inborn. Some people
- 16 possess it; others do not just as some people

According to the passage, having a sense of direction is:

- A. impossible without a good understanding of music.
- B. entirely innate, and does not improve with practice.
- C. similar to having a natural talent for music.
- D. not as important as many other traits.

ANSWER: C

QUESTION NO: 20

- 17 are naturally musical while others have no ear
- 18 for music at all. It is a sort of extra, having
- 19 nothing to do with criteria of intelligence or
- 20 mental development: like the repeater
- 21 movement in a watch. A highly educated or
- 22 cultured person may lack it, while the roughest
- 23 may possess it. Some who have never been in
- 24 the woods or mountains acquire a fair facility
- 25 at picking a way in the space of a vacation, but I
- 26 have met a few who have spent their lives on
- 27 the prospect trail, and who are still, and always
- 28 will be, as helpless as the newest city dweller. It
- 29 is a gift, a talent. If you have its germ, you can
- 30 become a traveler of the wide and lonely
- 31 places. If not, you may as well resign yourself to
- 32 guides.

- 1 In 18th century France, the masses suffered greatly and ate poorly. The main 2 3 staple of the common diet was bread, and half of the paltry income of the regular French 4 citizen was dedicated to acquiring this simple 5 commodity. As crops failed, shortages 6 7 occurred, compounding the suffering of the poor. But while the common people suffered in 8 the streets, the privileged classes, cloistered 9 away in opulent mansions, ate and drank 10 luxuriously in their private worlds of wealth 11 12 and pleasure. 13 The stark inequalities of the era did not 14 escape the notice of the poor, and a smoldering resentment built among them, later to be 15 16 expressed in a conflagration of violence and rebellion. Indeed, the lavish lifestyles of the 17 aristocracy may have had even more to do 18 19 with the coming of revolution than the 20 troubles of the peasantry. 21 Upon hearing of the agonies of the 22 people, that they had "no bread to eat," Marie 23 Antoinette, then Dauphine and later Queen of 24 France, is reputed to have replied, "Let them 25 eat cake!" The utterance acquired a great 26 symbolic importance in the aftermath of the
- 27 French Revolution, when historians used it to
- 28 illustrate the ignorance and indifference of the

The author's main purpose in this passage is to:

- A. dispute a popular historical myth.
- B. tell an exciting story about revolutionary France.
- C. persuade the reader that Marie Antoinette was actually a kind and generous person.
- **D.** describe how false stories begin and are spread.

ANSWER: A

29 upper classes to the suffering of the poor. The 30 story expressed the feelings of the people, 31 spoke clearly and powerfully to the sentiment of the time, and agreed with the judgment of 32 the Revolutionary Tribunal that the Dauphine 33 34 was a traitor to the people - a judgment which 35 would lead her to the guillotine. It is an 36 excellent tale, but it does have one minor flaw: 37 it is almost certainly not true.

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