FSP MATHEMATICS CONTEST

2022

VIBRANT YOUNGSTERS

TIME ALLOWED: 75 Mins.

Maximum Marks: 60

INTERNATIONAL FAMOUS STUDENTS PLATFORM
VIBRANT YOUNGSTERS COMPETITIONS

INSTRUCTIONS

1) DON'T START ATTEMPTING THE PAPER UNTIL INSTRUCTED BY THE INVIGILATOR.

2) INSTRUCTIONS FROM THE EXAMINATION INVIGILATOR MUST BE CARRIED OUT PROMPTLY.

3) CAREFULLY RECHECK YOUR NAME, FATHER NAME, SCHOOL NAME, ADDRESS ETC AT THE BUBBLE SHEET / ANSWER SHEET.

4) RECORD ALL ANSWERS ON THE BUBBLE SHEET ONLY. SELECT BEST ANSWER FROM THE FOUR GIVEN OPTIONS AND MARK ONLY ONE OPTION IN EACH QUESTION.

5) USE BLUE / BLACK INK TO FILL UP THE CIRCLES FOR YOUR ANSWERS ON THE BUBBLE SHEET. USE OF LEAD PENCIL IS NOT ALLOWED.

6) USE OF ANY HELPING MATERIAL INCLUDING CELL PHONES AND ELECTRONIC DEVICES IS STRICTLY PROHIBITED.

7) EVERY CORRECT ANSWER EARNS THREE POINTS. THERE WOULD BE NEGATIVE MARKING. ONE POINT WOULD BE DEDUCTED FOR EVERY INCORRECT ANSWER.

8) CANDIDATES MAY NOT LEAVE THE EXAMINATION ROOM UNESCORTED FOR ANY REASON, AND THIS INCLUDES USING THE WASHROOM.

9) NO MATERIALS OR ELECTRONIC DEVICES SHALL BE BROUGHT IN TO THE ROOM.

10) THERE ARE FIVE CATEGORIES OF THE CONTEST AS UNDER:

A) VIBRANT YOUNGSTERS (GRADE 1 & 2)

B) VIBRANT YOUNGSTERS (GRADE 3 & 4)

C) VIBRANT YOUNGSTERS (GRADE 5 & 6)

D) VIBRANT YOUNGSTERS (GRADE 7 & 8)

E) VIBRANT YOUNGSTERS (GRADE 9 & 10/0-LEVELS)

11) ONLY REGISTERED STUDENTS CAN PARTICIPATE INTHE CONTEST.

12) NO CANDIDATE SHALL TAKE OUT OF THE HALL ANY ANSWER BOOK(S) OR PART OF AN ANSWER BOOK, WHETHER USED OR UNUSED, OR OTHER SUPPLIED MATERIAL.

13) IF A PARTICIPANT DOES NOT UNDERSTAND A WORD OR PHRASE ON THE EXAM PAPER, NEITHER EXAMINER NOR INVIGILATOR IS PERMITTED TO ANSWER.

14) FOR INFORMATION ABOUT UPCOMING CONTESTS OR PROVIDING VALUABLE FEEDBACK, PLEASE VISIT https://fspcompetitions.org/

15) ANY ACADEMIC MISCONDUCT OR MALPRACTICE MUST BE REPORTED TO FSP VIBRANT YOUNGSTERS AT info@fspcompetitions.org

HOW TO DEVELOP INTEREST OF STUDENTS IN MATHEMATICS!!

By: Ayesha Nabeel
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Mathematics might be easy and interesting by relating it to the real life , Being a teacher of it I would recommend few points to all students for improving their math and develop interest in it.

Lack of confidence is the main reason students are not getting success in math. Teachers should enhance their confidence level, by doing this students will find interest in math.

Questioning while teaching should be encouraged, the best piece of advice for students is to not only pay attention in class but also ask for clarification when they need to better understand something.
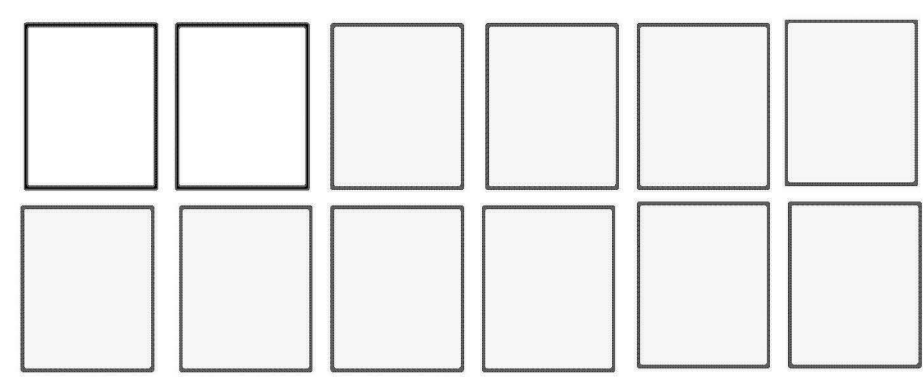
Conceptual understanding should be there instead of taking math just for granted and memorizing it. Students should clear their concepts from teachers if they stuck somewhere.

Teachers and parents should share positive attitude towards math. Parents should avoid talking negativity about math and specially avoid saying that it is hard, instead they should encourage their kids not to give up. Instead of saying 'It is too difficult and hard I cannot do it' try saying 'Let me try to figure that out'.
Your attitude matters.

Mistakes cannot measure intelligence. It is okay to make mistakes. Mistakes helps us in learning. Focus on problem solving.

Math knowledge is beneficial for all of us from Children to adults. When parents and teachers get thrilled about math, then children get thrilled about math too.

1) What fraction represent the colored portion:

  (A) 2/12   (B) 2/10   (C) 10/12   (D) 12/10

2) Which of these pairs of fraction are unlike fractions

(A) 5/11, 6/11   (B) 1/2 , 4/5   (C) 5/18, 11/18   (D) 1/36 , 18/36

3) 1/4 + 1/4=

(A) 1/4   (B) 4/2   (C)2/4   (D)¾

4) Subtract 23 from 68.05

(A) 45.15   (B) 45.55   (C) 91.05   (D) 45.05

05) 106.62
     8.25
+ 8.009

(A) 100   (B) 123   (C) 116   (D) 122

6) If the length and width of a rectangle are 18 mm and 16 mm, then find its area.

(A) 288 Square mm
(B) 289 Square mm
(C) 280 Square mm
(D) 268 Square mm

7) If the length and width of a rectangle are 10 m and 8 m, then find its area.

(A) 80 Square cm   (B) 86 Square meter   (C) 80 Square meter   (D) 84 Square meter

8) One interior angle of a regular polygon is 135 degrees. What polygon is it?

(A) Hexagon   (B) Septagon   (C) Octagon   (D) Pentagon

9) Match the following:

	List I		List II
A.	5, 45, 667	1.	0 tens.
B.	1, 00, 000	2.	9 hundreds
C.	4, 45, 953	3.	2 ones
D.	6, 34, 672	4.	6 tens

 (A) A is correct   (B) B is correct   (C) Both are correct   (D) All are incorrect

10)

Lakhs Period	Thousands Period		Ones Period		
Lakhs	Ten thousands	Thousands	Hundreds	Tens	Ones
1	3	0	2	5	6

This is a place value chart for

(A) 1, 3, 259   (B) 1, 30, 259   (C) 1, 30, 25, 9   (D) 130258

11) 6142 + _____ = 5139 + 8136

(A) 6863   (B) 7313   (C) 7033   (D) 7133

12) Which one of the four interchanges in signs and numbers would make the given equation correct?
3 + 5 – 2 = 4

(A) + and –, 2 and 3
(B) + and –, 3 and 5
(C) + and –, 2 and 5
(D) None of these

13) Julia read a book in 20 days. She read 16 pages every day for the first 15 days, and 18 pages everyday for the last 5 days. Which expression do you use to find how many pages Julia read?

(A) 16 + 18   (B)15 x 16 + 5 x 18   (C) 20 x 16   (D) 18 x 5

14) There are 24 hours in one day, and 3600 seconds in one hour. How many seconds are in one day?

(A) 7,000   (B) 864   (C)72,000   (D)86,400

15) 64 sweets are put in boxes that contain 8 sweets each. How many boxes are needed?

(A) 72   (B) 56   (C) 8   (D) 512

16) If 6 children share 145 sweets equally, how many sweets will remain?

(A) 24   (B) 0   (C) 6   (D) 1

17) If Shelly buys 2 video games at $150 each, how much money will she get back from $500?

(A) $100   (B) $250   (C) $200   (D) None of these
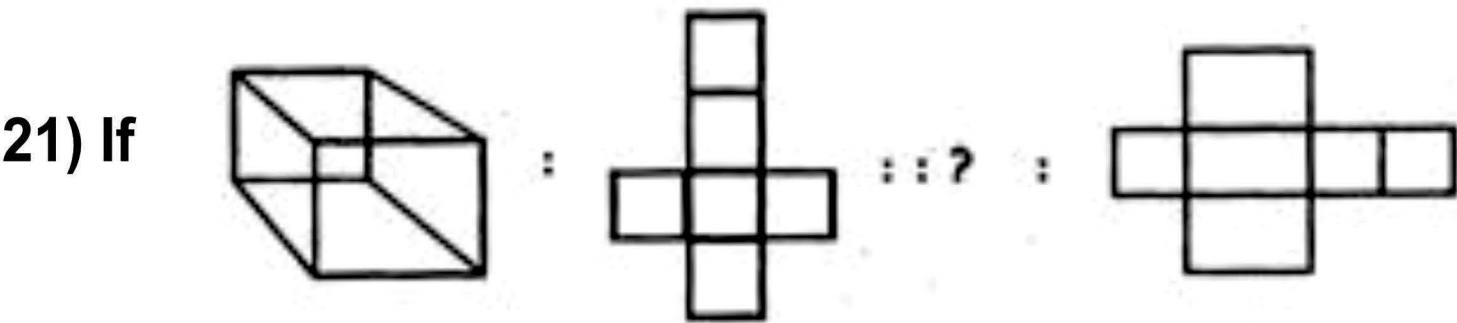
18) A soap costs $80.50. How much will 4 soaps cost?

(A) $330.50   (B) 322   (C) 340   (D) All are correct

19) Given interchanges: Signs – and × and numbers 3 and 6.

(A) 3 × 6 – 4 = 33   (B) 6 × 3 – 4 = 15   (C) 3 – 6 × 8 = 10   (D) 6 – 3 × 2 = 9
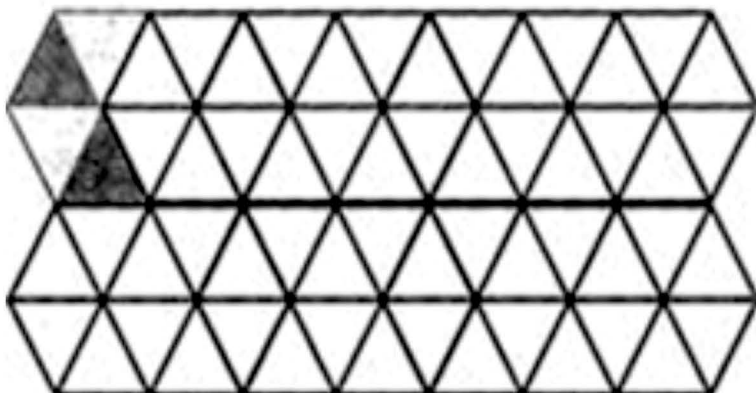
20) Tick the correct statement. Statement A: If we add 1 to the largest 5 digit number, we will get the smallest 6 digit number. Statement B: If we add 1 to the largest 4 digit number, we will get the smallest 6 digit number.

(A) Statement A is correct.
(B) Statement B is correct.
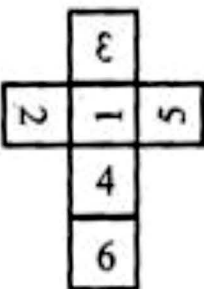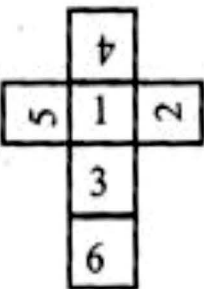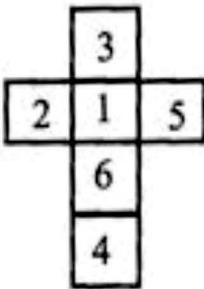(C) Both are correct.
(D) Both are incorrect.

21) If

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

22) Which shape can be used to till the pattern given below?

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

23) What will this box look like it you opened it up?

(A)   **(B)**   **(C)**   **(D)**

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

24) The distance between the center and any point on the circle is called its:

(A) radius   (B) diameter   (C) circumference   (D) area

25) Given below a step by step method to draw a circle by using compass. Choose the correct option to arrange them in a correct order.
A) Move the pencil arm around, keeping the metal arm fixed.
B) Keep the metal point of the compass fixed on the paper.
C) Stretch the arm of the compass that holds the pencil.

(A) ABC
(B) CBA
(C) BCA
(D) ACB

26) A square has _____ lines of symmetry.

(A) one
(B) two
(C) three
(D) four

_____

Best of Luck!

ANSWER SHEET

Choose only ONE of the FOUR proposed answers (A,B,C or D) & fill in the circles with your answer.

Example of correctly filled table of answers.

Ⓐ Ⓑ ● Ⓓ Correct Filling Answer "C"   Ⓐ Ⓑ Ⓧ Ⓓ wrong filling   Ⓐ Ⓑ ▮ Ⓓ wrong filling

                                            Ⓐ Ⓑ Ⓒ Ⓓ wrong filling   Ⓐ Ⓑ●Ⓒ Ⓓ wrong filling

Q. No.	Answer				Q. No.	Answer			
1	Ⓐ	Ⓑ	●	Ⓓ	16	Ⓐ	Ⓑ	Ⓒ	●
2	Ⓐ	●	Ⓒ	Ⓓ	17	Ⓐ	Ⓑ	●	Ⓓ
3	Ⓐ	Ⓑ	●	Ⓓ	18	Ⓐ	●	Ⓒ	Ⓓ
4	Ⓐ	Ⓑ	Ⓒ	●	19	Ⓐ	Ⓑ	●	Ⓓ
5	Ⓐ	Ⓑ	●	Ⓓ	20	●	Ⓑ	Ⓒ	Ⓓ
6	●	Ⓑ	Ⓒ	Ⓓ	21	Ⓐ	Ⓑ	Ⓒ	●
7	Ⓐ	Ⓑ	●	Ⓓ	22	●	Ⓑ	Ⓒ	Ⓓ
8	Ⓐ	Ⓑ	●	Ⓓ	23	Ⓐ	Ⓑ	●	Ⓓ
9	●	Ⓑ	Ⓒ	Ⓓ	24	●	Ⓑ	Ⓒ	Ⓓ
10	Ⓐ	●	Ⓒ	Ⓓ	25	Ⓐ	Ⓑ	●	Ⓓ
11	Ⓐ	Ⓑ	Ⓒ	●	26	Ⓐ	Ⓑ	Ⓒ	●
12	Ⓐ	●	Ⓒ	Ⓓ					
13	Ⓐ	●	Ⓒ	Ⓓ					
14	Ⓐ	Ⓑ	Ⓒ	●					
15	Ⓐ	Ⓑ	●	Ⓓ					

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We deal in all kind of printing & stationary.

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