



International FSP Contests

2024 QUESTION BOOKLET

GRADE 5 & 6

VIBRANT YOUNGSTERS

Time Allowed : 90 Minutes
Maximum Marks : 90

EXHIBIT YOUR SKILLS TO THE WORLD

FSP
Mathematics
: Contest



INSTRUCTIONS FROM THE EXAMINATION INVIGILATORS

- 1) Invigilators must be carried out promptly.
- 2) Don't start attempting the paper until instructed by the invigilator.
- 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 in the 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 www.fspcompetitions.org
- 15) Any academic misconduct or malpractice must be reported to FSP vibrant youngsters at info@fspcompetitions.org

Q-1

Marry went to buy furniture for her room and had \$15000. She selects two different tables at the shop –

- (i) a square table costing \$9640
- (ii) a round table costing \$7890.

She has already bought a chair for \$5999. Which table would she be able to buy?

A. square table

B. square & round

C. round table

D. none of these

Q-2.

A total of 3,718 tickets were sold for a skating show. Of that total, 1,279 were adult tickets. The remaining tickets were child tickets. How many child tickets were sold?

A. 2,439 tickets

B. 2,561 tickets

C. 3,439 tickets

D. 4,997 tickets

Q-3.

A factory produced 17,895 toys in the 1st year, 26,004 toys in the 2nd year and 34,924 in the 3rd year. How many toys were produced in these years?

A. 78,823

B. 68,823

C. 68,523

D. 58,423

Q-4

Which of these is a factor pair of 72?

A. 2, 37

B. 3, 24

C. 2, 72

D. 4, 19

Q-5

A school management spent \$ 26,756 on teachers' pay, \$ 325,378 on building construction, \$ 5,780 on games and \$ 8,235 on other work.

Find the total amount spent on different items by the school management.

A. \$ 2,66,148

B. \$ 3,66,149

C. \$ 4,66,158

D. \$ 1,65,158

Q-6

A school library has 3,730 books in French, 2,531 books in English, and 5,368 books in other languages.

How many books are there in library?

A. 10,529

B. 15,529

C. 11,629

D. 14,529

Q-7

What is the Least Common Multiple of 8 and 10?

A. 2**B.** 10**C.** 80**D.** 40**Q-8**

A company produced 2,756; 1,751 and 3,058 pencils in three successive months. In all, how many pencils were produced by the company in these three months?

A. 6,464**B.** 5,498**C.** 7,438**D.** 7,565**Q-9**

An overhead tank has 4670 litres of water. If 2770 litres of water is added more to the tank, what is the total amount of water in the tank? Give any two ways in which we can conserve water.

A. 5,550 litres**B.** 7,340 litres**C.** 7,440 litres**D.** 6,550 litres

Q-10

A number is 468 more than 9268. Find the number.

A. 9,736**B.** 9,626**C.** 8,944**D.** 7,450**Q-11**

During June and July, a total of 48,924 visitors went to the Grand Canyon National Park. If 25,150 visitors went to the park in June, how many visitors went in July?

A. 23, 778**B.** 23,890**C.** 23,775**D.** 23,774**Q-12**

What is the sum of 84,291 and 7,095?

A. 91,381**B.** 91,385**C.** 91,382**D.** 91, 386**Q-13**

In an election, there were three candidates. The first candidate got 1975 votes, the second candidate got 4688 votes and the third candidate got 2149 votes. In all how many votes were polled?

A. 8,812**B.** 8,816**C.** 9,999**D.** 6,429

Q-14

What is the greatest common factor of 36 and 45?

A. 20**B.** 9**C.** 15**D.** 225**Q-15**

A cycle factory produced 6589 cycles in year 2010, 4869 cycles in 2011 and 2586 in 2012. What was the production in these three years?

A. 19,114**B.** 14,044**C.** 15,055**D.** 12,033**Q-16**

A cube has a side of 6cm. Calculate the volume of the cube.

**A.** 18cm³**B.** 216cm³**C.** 18cm**D.** 216**Q-17**

Ron deposited \$13645 in bank on Tuesday and \$6880 on Wednesday. What is the amount of money deposited by him in bank in these 2 days?

A. \$17,344**B.** \$21,523**C.** \$20,525**D.** \$ 19,877

Q-18

Ron is studying aboard. During his holidays, he travels to his home town. To reach his home town he covered 4562 km by air and 1057 km by bus. What is the total distance travelled by him to reach the home town?

A. 12. 5,419 km

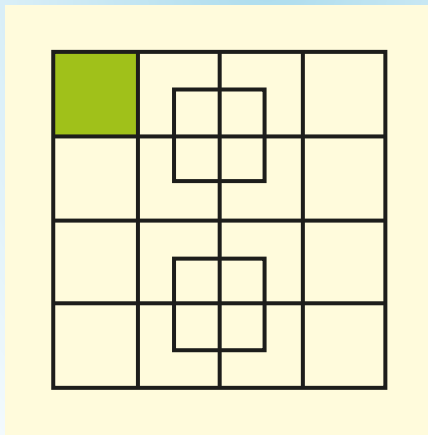
B. 17. 5,219 km

C. 14. 5,619 km

D. 13. 5,718 km

Q-19

How many squares are there in the following figure?



A. 49

B. 23

C. 24

D. 25

Q-20

Ali wants to measure the length of his room. Which unit of measure is appropriate to measure the length of his room?

A. Centimeter**B.** Foot**C.** inch**D.** Milimeter**Q-21**

Mrs. Noor makes study guides for her class of 21 students. She uses 252 sheets of paper. How many sheets of paper are in each study guide?

A. 12 sheets**B.** 231 sheets**C.** 273 sheets**D.** 5,292 sheets**Q-22**

What is the value of w in the equation $116 - w = 95$?

A. $w = 210$ **B.** $= 19$ **C.** $w = 21$ **D.** 211**Q-23**

What is $92.53 \div 10$?

A. 92.53**B.** 925.3**C.** 0.9253**D.** 9.253

Q-24

Alax was 9 years old when he went to New York in 2006. In which year was Alax born?

A. 1996

B. 1997

C. 1998

D. 1999

Q-25

A glass is $\frac{2}{3}$ full of juice. What part of the glass must be filled with juice to make it whole?

A. $\frac{3}{3}$ B. $\frac{1}{3}$ C. $\frac{4}{2}$ D. $\frac{3}{5}$

Q-26

The cricket stadium car parking area has 24 parking spots arranged evenly in 8 rows. How parking spots are in each row?

A. 3

B. 6

C. 8

D. 2

Q-27

Your exam will start four days from now. Today is Saturday. What day will it be?

A. Wednesday

B. Thursday

C. Friday

D. Saturday

Q-28

Using the digits 1,2,3,4, without repetition, the greatest 4-digit number that can be made is

A. 4231**B.** 4132**C.** 4321**D.** 4312**Q-29**

Write in figures the number: One million, ten thousand and sixty-nine.

A. 1,010,069**B.** 1,169,000**C.** 1,000,169**D.** 1,100,069**Q-30**

Hiba left for party at 6:25 hours, She returned hotel 8 h 15 mins later. At what time did she reach hotel?

A. 02:45 hours**B.** 02:31 hours**C.** 14:40 hours**D.** 14:35 hours

EDUCATIONAL LEADERSHIP**AWARDS 2024***International FSP
Art and Creative Writing Contests***Held on 19th Day of January 2024**

Inst. Code	Inst Head Name	Job Title	Institution Name	City
1054	(Gop) Cap. Bashir Ahmad Choudhary	Principal	Army Public School and College	Dera Ismail Khan
1039	Mr. Ghulam Mustaf Tahir	Principal	Aps (Boys) Sarfraz Rafiqui (Gbhs)	Lahore
1056	Ms. Tahira Khan	Principal	Army Public School for Int. Studies	Karachi
1059	Ms. Mehernaz Bharucha	Principal	Bvs Parsi High School	Karachi
1025	Ms. Maliha Bilal	Head Of School	Lahore Grammar School International	Lahore
1067	Ms. Farzana Ali	Principal	Muslim Hands School of Excellence	Wazirabad
1019	Mr. Muhammad Aamir Akhlaq	School Head	Beaconhouse School System Senior Campus	Okara
1034	Mrs. Abida Islam	Principal	Fauji Foundation Education System Jhang Campus	Jhang

Inst. Code	Inst Head Name	Job Title	Institution Name	City
1069	Ms. Alia Pervaiz	Principal	Head Start School System O-Level	Karachi
1007	Syeda Huma Abbas	Principal	Unique High School For Girls Campus 107A	Lahore
1013	Mr. Shahid Ruban Rana	Principal	Bloomfield Hall School	Muzaffargarh
1042	Ms. Hareem Fatima	Principal	Reader Cambridge School	Sargodha
1029	Ms. Sana Fatima	Head Mistress (Senior Section)	The City School (PAF Chapter)	Karachi
1048	Ms. Rashida Murtaza	Principal	Habib Girls' School	Karachi
1064	Ms. Ghazala Seemab	Principal	Fauji Foundation College	Chakwal
1028	Sister Stella Younas	Principal	Convent of Jesus and Mary School	Toba Tek Singh
1060	Col Hussain Rashid	Principal	Fauji Foundation College	Lahore
1012	Mr. Muhammad Zaman Cheema	Principal	District Public School & College	Hafizabad
1015	Madam Shabnam Haseeb	Principal	Daanish School Girls	Dera Ghazi Khan
1040	Ms. Sajida Parveen	Principal	FG Public School (2 nd Shift)	Rawalpindi
1052	Ms. Ayesha Batool	Principal	Army Public School and College Girls Campus	Kohat
1065	Ms. Madiha Aftab	Principal	Dar-e-Arqam School	Lahore
1001	Mrs. Munazza Aamir	Vice Principal	DPS Premier Campus	Faisalabad
1027	Ms. Esmatara Khawer	Principal	Happy Palace Grammar School	Karachi
1005	Ms. Zakia Siraj	Principal	The Quaid-E-Azam Public School	Swabi

Inst. Code	Inst Head Name	Job Title	Institution Name	City
1026	Mr. Younas Nauman Bhatti	Principal	Bahria Foundation College	Hazro
1031	Brig. Dr. Muhammad Afzal Saleem, Si (M), (RETD)	Principal	Joint Staff Public School & College	Rawalpindi
1057	Ms. Anila Begum	Principal	Direction School (Ali Campus)	Layyah
1061	Mrs. Anita Arif Murad	Principal	The Set School Campus 1	Karachi
1010	Mr. Attaullah Khan Niazi	Principal	ASF Public School	Lahore
1044	Mr. Imran Khan	Principal	The Quaid-E-Azam Public School and College (Boys Campus)	Noeshera
1055	Mr. Raja Imtiaz Hussain	Principal	Frontier Corps Public School Bela	Lasbela
1008	Ms. Zarqa Sohail Rana	Principal	Daanish School (Girls) Mailsi Vehari	Mailsi
1024	Ms. Mehwish Wajahat	Principal	The Quaid Azam Group of School and College	Nowshera
1002	Ms. Ambreen Bukhari	Vice Principal	Allied School Kahuta Campus	Kahuta
1030	Mr. Imran Ahmed Larik	Principal	Public School	Mirpurkhas
1038	Ms. Rubina Akhtar	Principal	Supernova School Kuri Campus	Islamabad
1050	Ms. Rizwana Junaid	Principal	Bahria Foundation College	Taxila
1043	Mrs. Iffat Qureshi	Principal	APS & C Girls Hamza	Rawalpindi
1046	Ms. Sarah Khan	Campus Head	American Lycetuff DNK School	Islamabad
1062	Col (R) Hassan Abbas	Principal	Army Public School Golra	Rawalpindi

HIGH ACHIEVERS AWARDS 2024

Name	Institution Name	City	Contest
Ms. Ayman Afzal	Fauji Foundation School	Mianwali	FSP Art And Creative Writing Contest (Vol-14) 2024
Ms. Bushra Asghrar	Rangers Public School for Girls	Lahore	FSP Art And Creative Writing Contest (Vol-14) 2024
Ms. Tayyaba Altaf	District Public School & College	Depalpur	FSP Creative Writing Contest (Vol-14) 2024
Ms. Saima Abbas	District Public School & College	Depalpur	FSP Art Contest (Vol-14) 2024
Ms. Aqeela Iqtidar	DHA JC Z Block	Lahore	FSP Creative Writing Contest (Vol-14) 2024
Ms. Sana Ahsan	DHA JC Z Block	Lahore	FSP Art Contest (Vol-14) 2024
Ms. Rabia Abbas	Govt. Girls Higher Secondary School No.1 (COE)	Hafizabad	FSP Creative Writing Contest (Vol-14) 2024
Ms. Hira Liaqat	APSACS Senior	Nowshera	FSP Art And Creative Writing Contest (Vol-14) 2024
Ms. Saba Adnan	The City School	Karachi	FSP Art And Creative Writing Contest (Vol-14) 2024
Ms. Amara Ali	APSAC	Rawalpindi	FSP Art And Creative Writing Contest (Vol-14) 2024
Ms. Sana Kanwal	University Cambridge School	Faisalabad	FSP Art Contest (Vol-14) 2024

ANSWER SHEET

GRADE 5 & 6



Q.NO ANSWER

1	☐ A	☐ B	☒	☐ D
2	☒	☐ B	☐ C	☐ D
3	☒	☐ B	☐ C	☐ D
4	☐ A	☒	☐ C	☐ D
5	☐ A	☒	☐ C	☐ D
6	☐ A	☐ B	☒	☐ D
7	☐ A	☐ B	☐ C	☒
8	☐ A	☐ B	☐ C	☒
9	☐ A	☐ B	☒	☐ D
10	☒	☐ B	☐ C	☐ D
11	☒	☐ B	☐ C	☐ D
12	☐ A	☐ B	☐ C	☒
13	☒	☐ B	☐ C	☐ D
14	☐ A	☒	☐ C	☐ D
15	☐ A	☒	☐ C	☐ D

Q.NO ANSWER

16	☐ A	☐ B	☒	☐ D
17	☐ A	☐ B	☐ C	☒
18	☐ A	☐ B	☒	☐ D
19	☒	☐ B	☐ C	☐ D
20	☒	☐ B	☐ C	☐ D
21	☒	☐ B	☐ C	☐ D
22	☐ A	☐ B	☒	☐ D
23	☐ A	☐ B	☐ C	☒
24	☐ A	☒	☐ C	☐ D
25	☐ A	☒	☐ C	☐ D
26	☒	☐ B	☐ C	☐ D
27	☒	☐ B	☐ C	☐ D
28	☐ A	☐ B	☒	☐ D
29	☒	☐ B	☐ C	☐ D
30	☐ A	☐ B	☐ C	☒



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