

<u>INSTRUCTIONS</u>

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

1) 92 people ride the train to work each day. After the train stops at the train station, only 36
people are still on the train. How would you justify the number of students who were dropped
off at the train station?

(A) 65 people were dropped off at the train station because 92 - 36 = 65

(B) 56 people were dropped off at the train station because 92 + 36 = 56

(C) 56 people were dropped off at the train station because 92 - 36 = 56

(D) 56 people were dropped off at the train station because 92 - 36 = 92 + 36

2) Which operation would be used to solve the problem? There are 20 students in Mr. Adam's class. Each student has 5 dollars. How much money is there in all?

(A) Addition

(B) Subtraction (C) Multiplication

(D) Division

3) The Electronics Experts store sold 8,124 computers last year. The store also sold 2,336 printers. How many computers and printers did the store sell last year?

(A) 10,460 (B) 10,640 (C) 10,840

(D) 10,940

4) Out of 52, 62, 70, 82, 78, 66, the numbers that have 13 as factors are:

(A) 52, 78 (B) 66, 78 (C) 70, 78

(D)62,82

5) In a proper order, the first four factors of 80 are:

(A) 1, 2, 3, 4, 5 (B) 1, 2, 4, 5, 8 (C) 1, 3, 5, 10, 20

(D) 1, 2, 3, 5, 10

6) What percentage of the images are sleds?



(A) 25%

(B) 30%

(C) 70%

(D) 75%

7) Which statement correctly compares the percentage of images that are skates to skis?



(A) 25% are skates and 50%50% are skis

(B) 25% are skates and 75%75% are skis

(C) 50% are skates and 25%25% are skis

(D) 75% are skates and 25%25% are skis

8) Dining room sets are discounted as shown on the sale tag.



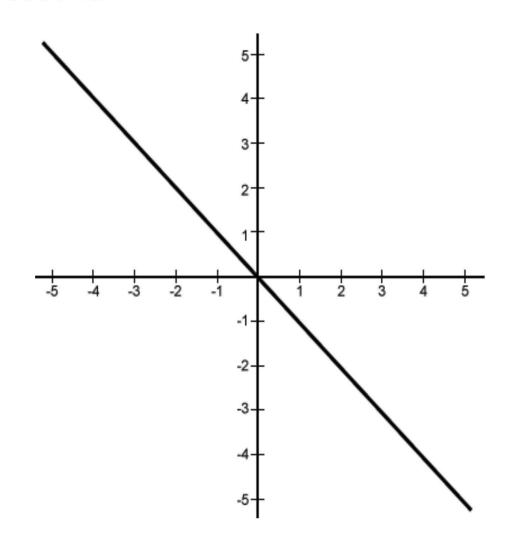
Before the discount, a table costs \$1190 & a chair costs \$245. What is the discounted price of a dining room set that includes 1 table & 6 chair?

- (A) \$1,064
- (B) \$1,596
- (C) \$2,184
- (D) \$2,660

9) What is the fraction 7/20 as a decimal & a percent?

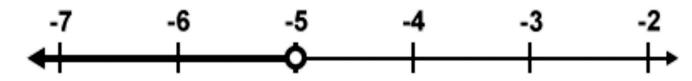
- (A) 0.035 and 3.5%
- (B) 7 and 70%
- (C) 0.35 and 35%
- (D) 0.07 and 7%

10) A car travels 1 meter per second.



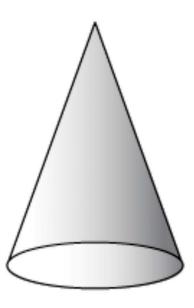
- (A) The graph describes the speed of the car.
- (B) The graph slope of the graph is steeper then the speed of the car.
- (C) The slope of the graph is the inverse of the speed of the car.
- (D) There is no relationship between the slope of the graph and the speed of the car.

Q.11) What does the open circle represent on the inequality graph?



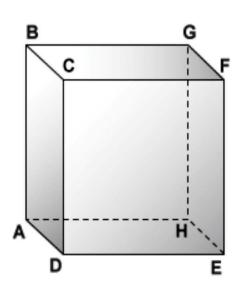
- (A) EQUAL TO the number that is graphed
- (B) NOT EQUAL TO the number that is graphed
- (C) Both are correct
- (D) Both are incorrect

12) What is the approximate volume of a cone with a radius of 4 cm and a height of 7 cm?



- A) 29 cm cubed
- B) 117 cm cubed
- C) 268 cm cubed
- D) 352 cm cubed

13) A prism measures 4 unit cubes along side AD. 6 unit cubes along side DE, & 6 unit cubes along side CD. What is the volume of the prism?



- (A) 16 cubic units
- (B) 24 cubic units
- (C) 36 cubic units
- (D) 144 cubic units

14) How many 1-inch cubes can fit into a box that measures 10 inches by 2 inches by 4 inches, without gaps or empty spaces?

- (A) 16 cubes
- (B) 24 cubes
- (C) 80 cubes
- (D) 124 cubes

15) The cube shown has a side length of 1 unit.



What is the volume of the cube?

- (A) 1 cubic unit
- (B) 1 square unit
- (C) 6 cubic units
- (D) 6 square units

			smaller cubes and the large	·			
(A) 2:1	(B) 3:2	(C) 25 : 18	(D) 27 : 20				
17) 3 Volume of a What is the heigh	-	its length and breadth	are 12cm and 7cm respecti	vely.			
(A) 24 cm	(B) 11 cm	(C) 14 cm	(D) 20 cm				
18) Which operation should you do first when you simplify 85 + (25 x 5)?							
(A) Addition	(B) Subtraction	(C) Multiplication	(D) Division				
19) The	9) The in an expression are addition, subtraction, multiplication, & division						
(A) Sequence(B) Terms(C) Operations(D) Numerical expr	essions						
20) Any number tl "ratio".	nat can be made by	dividing one integer by	y another. The word comes f	form			
(A) Compatible Number(B) Rational Number(C) Whole Number(D) Digits	ers						
•	nbers that are "well- vided by 3 equals 2 v		nat are friendly with each oth	ner.			
(A) Whole numbers(B) All fractions(C) Compatible Nu(D)Digits							
22) What is prime	number?						
(C) A number that i	nore numbers that div s divisible by x is also	ides into a larger numbe said to be a multiple of ctors besides itself and	X				
the amount of pos		he package contains 1	e is mailing in order to calculate 2 copies of a report that we				
(A) 447.6 grams (B) 424.7 grams (C) 398.7 grams (D) 49.3 grams							

, –	end to end to c	reate a banne	er. If each rectangle r	ch together 41 identical fabric neasure 8.9 centimeters in				
(A) 362.6 cm	(B) 332.6 cm		(C) 364.9 cm	(D) 376.8 cm				
-	_			mph & the fastest lap ever h faster is the lap at Daytona				
(A) 2.744 mph	(B) 1.844 mph		(C) 2.764 mph	(D) 1.744 mph				
26) The round off value of 2300/1055 to the nearest whole number is:								
(A) 23	(B) 20	(C) 21	(D) 22					
27) Round 1902 t	o the nearest h	undred.						
(A) 1800	(B) 1850 (C) 192		20 (D) 1900					
28) Round 1,345,465.997 to the nearest whole number.								
(A) 2,000,000.0 (B) 1,345,765.9 (C) 1,345,466 (D) 1,345,800								
•			g and 5 liters of milk	in the evening. If the milkman?				
 (A) ₹ 450 (B) ₹ 300 (C) ₹ 150 (D) none of these. 								
2	ond after every	30 minutes, a	and the third after ev	ock rings after every 90 ery 60 minutes. After how				
(A) 90 minutes (B)120 minutes (C)180 minutes (D)None of these								
				_				
		Bes ⁻	t of Luck!					



ANSWER SHEET

INSTRUCTIONS:

- This is a generic answer sheet to be used by participants of all grades. Students of Grade 1-2 will fill in circles of first 20 questions. Grade 3-4 will fill in circles of 25 questions & Grade 5-10 will fill in circles of 30 questions.
- Please recheck your Name, Father Name, Garde & School written below, the same would appear at your certificate.
- Use of lead pencil is not allowed.
- Use only Black / Blue ink to fill in the circles.

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.

A

Correct Filling Answer "C"

B

B

wrong filling

wrong filling

wrong filling

Q. No. **Answer**

2

3

6

7

8

9

10

11

12

13

14

15



(**B**)



(B)

B

A

A

A

A

A

A

A

(C)

D

D

D

(C)

D

(C)

B

B

D

(C)

D

D

(C)

D

D

Q. No.

wrong filling

Answer

16

17

18

19

20

21

22

23

(B)

(B)

B

B

B

(C)

(C)

D

24

A

A

A

B

D

25

26

27

28

A

A

A

A

B

B

B

B

(C)

(C)

(C)

(C)

A

A

B

B

B

(C)

29

30

A

B

B

(C)

D

D

D



INTERNATIONAL FAMOUS STUDENTS PLATFORM VIBRANT YOUNGSTERS COMPETITIONS

FSP Vibrant Youngsters A Project of Famous Stationary & Paper products. We deal in all kind of printing & stationary.

042-37123334, 03367123334

fspcompetitions.org, info@fspcompetitions.org