



International FSP Contests

2024 QUESTION BOOKLET

GRADE 3 & 4

VIBRANT YOUNGSTERS

Time Allowed : 75 Minutes
Maximum Marks : 75

EXHIBIT YOUR SKILLS TO THE WORLD



FSP
Mathematics
: Contest

The logo for the FSP Mathematics Contest is a shield-shaped emblem divided into four quadrants. The top-left quadrant contains a grid with the numbers 1, 0, 0, 0. The top-right quadrant contains mathematical symbols: a plus sign, a minus sign, a multiplication sign, and a division sign. The bottom-left quadrant contains a ruler and a pencil. The bottom-right quadrant contains a globe. Below the shield, the text 'FSP Mathematics : Contest' is written in a bold, sans-serif font.

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

How many circles are there in the following figure?



A. 5

B. 8

C. 9

D. 8

Q-2

What is the missing number in the wheel?



A. 48

B. 36

C. 55

D. 22

Q-3

There are mysterious treasures here! We are very curious about what is inside them, but we have a problem! We need a proper key!

**Find the right lock for the key,
and help us! Be quick!**



A. 1

B. 4

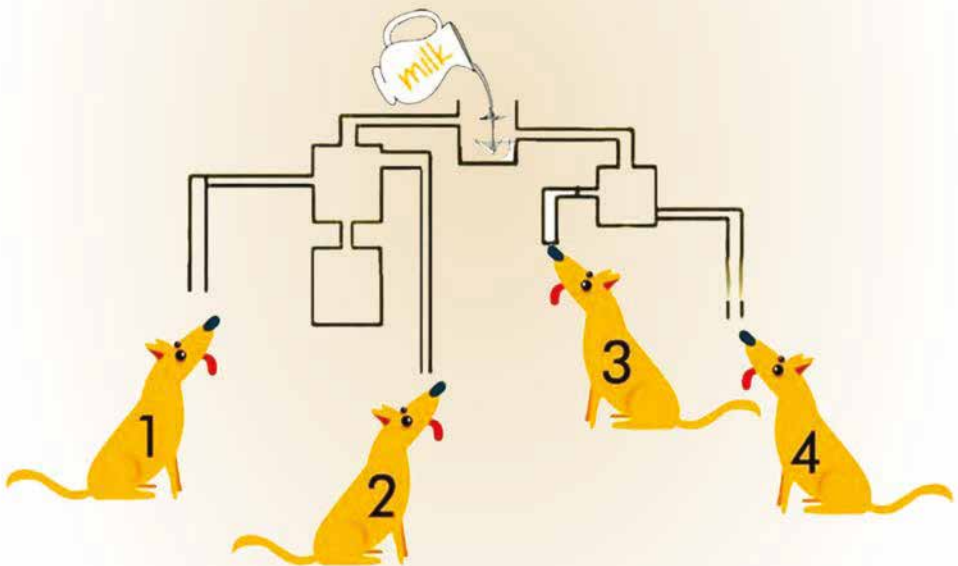
C. 2

D. 3 & 5

Q-4

There are hungry dogs. They need your help.

**Look at the picture,
make a calculation and tell us
which one will drink the milk first!**



A. 1

B. 2

C. 3

D. 4

Q-5

Look at the picture and count all the dogs!

How many dogs are there in the following figure?

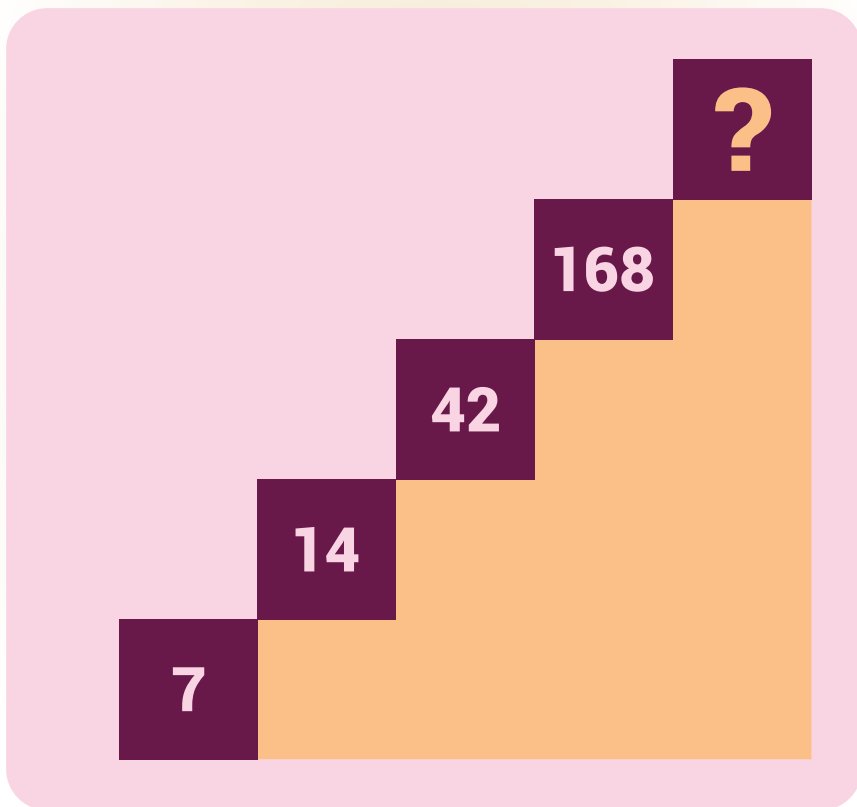


- A. 15
- B. 17
- C. 19
- D. 21

Q-6

We have a staircase question for you. You need to do proper calculations to solve this one. Let's start!

Can you tell us what the missing number will be?



A.

224

B.

210

C.

840

D.

231

Q-7

Finding the missing part for each building?

Don't forget all the people in the houses are waiting for you to complete the roof. Then, they will move to their homes.



A. 1-B, 2-D, 3-A, 4-C

B. 1-C, 2-A, 3-D, 4-B

C. 1-C, 2-D, 3-A, 4-B

D. 1-C, 2-B, 3-A, 4-D

Q-8

Look at the image and fill in the blanks. Confusing numbers are waiting for you! Can you tell us what the missing number will be?

9	+	B	=	19
+		+		+
A	+	8	=	14
=		=		=
15	+	C	=	D

A. $A = 33$. $B = 10$. $C = 18$. $D = 6$

B. $A = 6$. $B = 10$. $C = 18$. $D = 33$

C. $A = 6$. $B = 18$. $C = 10$. $D = 33$

D. $A = 10$. $B = 6$. $C = 18$. $D = 33$

Q-9

Who AM I?

- I am a 4 digit number.
- The digit at my hundred place is the greatest 1 digit even number.
- The digit at my thousand place is the smallest 1 digit odd number.
- The digit at my ones place is just half of my digit at hundred place.
- My tens place number is 6.

A. 1746

B. 2846

C. 1864

D. 4846

Q-10

Which number sentence is incorrect?

A. $9 + 7 = 16$

B. $8 + 8 = 16$

C. $14 - 2 = 16$

D. $17 - 1 = 16$

Q-11

Which of these would be measured in centimeter?

A. Bag of apple

B. Length of pencil

C. Bag of orange

D. Weight of duster

Q-12

If 712 is added to me, I would become 940. **Who AM I?**

A. 255

B. 228

C. 235

D. 480

Q-13

There are 3 teachers, 20 girls, 28 boys, 2 white board, 5 windows and 2 doors in a classroom. Find the total number of human beings in the classroom.

A. 55

B. 60

C. 51

D. 65

Q-14

I am an even number. If you multiply me by myself, you get the same number as when you add me to myself. What number am I?

A. 4**B. 2****C. 6****D. 8**

Read the information below and answer the questions 15 through 17.

John is selling a cup of tea at Rs. 20.



He has a Thermas of tea which can fill a few cups as shown:

**Q-15**

How much Aslam will earn by selling one thermas of tea?

A. 40**B. 80****C. 60****D. None of these**

Q-16

If John has these many thermas as shown below, then how many cups can be filled with tea?



A. 45 cups

B. 15 cups

C. 20 cups

D. 55 cups

Q-17

A big container can fill few thermas as shown below:



How many cups can be filled with one big container?

A. 40

B. 60

C. 32

D. 45

Q-18

You purchased 6 books 6 times.

What is the total number of books you purchased?

A. 36

B. 40

C. 16

D. 444

Q-19

Which coin will come next in the sequence?



A.



B.



C.



D.



Q-20

A cow has 4 legs. How many legs do 6 cows have in all?

A. 36

B. 20

C. 24

D. 26

Q-21

Umer wants to buy a hockey stick which is 30cm shorter than his height. His height is 120cm. What will be the length of the stick?

A. 90cm

B. 70cm

C. 120cm

D. 60cm

Q-22

Ali will go to attend his class in the afternoon.

At what time of the following will he go?

A. 11:58 am

B. 2:45 pm

C. 1:35 am

D. 7:10 am

Q-23

If today is Wednesday, what will be the day after tomorrow?

- A.** Thursday **B.** Friday **C.** Saturday **D.** Sunday

Q-24

Hira left from school at 1:30 pm. The School bus took 35 minutes to reach her home. At what time she reached home?

- A.** 2:15 am **B.** 2:20 pm **C.** 2:05 pm **D.** 2:40 pm

Q-25

A squirrel finds 7 nuts. He already had 12 nuts with him. How many nuts does he have now?



- A.** 20 **B.** 19 **C.** 18 **D.** 17

ANSWER SHEET

GRADE 3 & 4



Q.NO ANSWER

1	(A) (B) ● (D)
2	(A) ● (C) (D)
3	(A) ● (C) (D)
4	(A) ● (C) (D)
5	(A) (B) ● (D)
6	(A) (B) ● (D)
7	(A) (B) ● (D)
8	(A) ● (C) (D)
9	(A) (B) ● (D)
10	(A) (B) ● (D)
11	A ● (C) (D)
12	(A) ● (C) (D)
13	A (B) ● (D)
14	(A) ● (C) (D)
15	(A) ● (C) (D)

Q.NO ANSWER

16	(A) (B) ● (D)
17	A (B) ● (D)
18	● (B) (C) (D)
19	(A) (B) ● (D)
20	(A) (B) ● (D)
21	● (B) (C) (D)
22	(A) ● (C) (D)
23	(A) ● (C) (D)
24	(A) (B) ● (D)
25	(A) (B) (C) ●



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