INTERNATIONAL
CATS CONTESTS
COMPETENCE & APTITUDE TESTING SERVICES
FASTEST GROWING CONTESTS IN PAKISTAN

Preparatory Material

ICATS MATHEMATICS CONTEST
Grade 1-2

NATIONAL MATHEMATICS CONTEST
TODDLERS (GRADE 1 & 2)

# NATIONAL MATHEMATICS CONTEST
TODDLERS (GRADE 1 & 2)

INSTRUCTIONS

1. DON'T START ATTEMPTING THE PAPER UNTIL INSTRUCTED BY THE INVIGILATORS.
2. INSTRUCTIONS FROM THE EXAMINATION INVIGILATORS MUST BE CARRIED OUT PROMPTLY.
3. WRITE YOUR NAME, FATHER NAME, SCHOOL NAME, ADDRESS ETC AT THE BUBBLE SHEET ONLY.
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. THERE ARE SIX CATEGORIES OF THE CONTEST AS UNDER:
   A.   TODDLERS (GRADE 1 & 2)
   B.   KIDS (GRADE 3 & 4)
   C.   JUNIORS (GRADE 5 & 6)
   D.   JUVENILES (GRADE 7 & 8)
   E.   ADOLESCENTS (GRADE 9 & 10 / O-LEVELS)
   F.   SENIORS (GRADE 11 & 12 / A-LEVELS)
10. ONLY REGISTERED STUDENTS CAN PARTICIPATE IN THE CONTEST.
11. 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.
12. IF A PARTICIPANT DOES NOT UNDERSTAND A WORD OR PHRASE ON THE EXAM PAPER, NEITHER EXAMINER NOR INVIGILATOR IS PERMITTED TO ANSWER.
13. FOR INFORMATION ABOUT UPCOMING CONTESTS OR PROVIDING VALUABLE FEEDBACK, PLEASE VISIT WWW.CATSCONTESTS.ORG
14. ANY ACADEMIC MISCONDUCT OR MALPRACTICE MUST BE REPORTED TO INTERNATIONAL CATS CONTESTS AT INFO@CATSCONTESTS.ORG
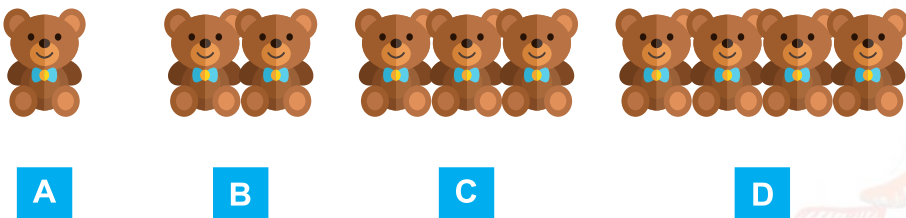
Q1. *What is this number in digits?*
Fifty one

| A | 51 | B | 55 | C | 61 | D | 85 |

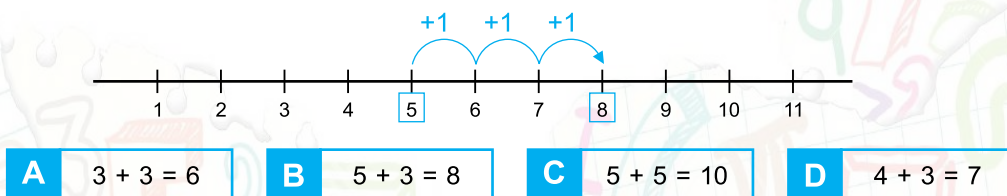**Q2.** *The children ate some pizza, and the shaded parts represent the eaten parts. Who eats the same amount of pizza as Amna eats?*

Amna

A   B   C   D
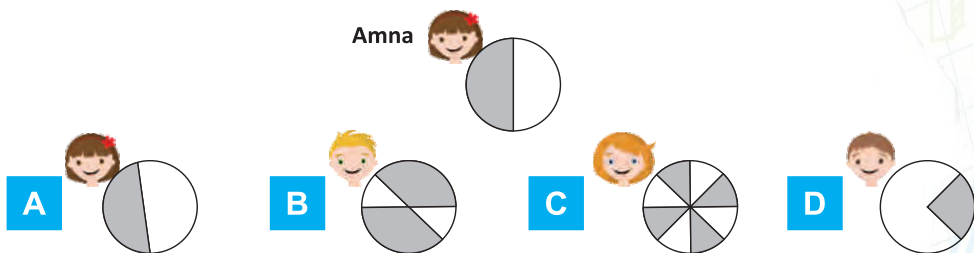
Q3. *Which picture shows 2 + 1 = 3*

A   B   C   D

Q4. *Which addition sentence does this model show?*

+1 +1 +1

1 2 3 4 5 6 7 8 9 10 11

| A | 3 + 3 = 6 | B | 5 + 3 = 8 | C | 5 + 5 = 10 | D | 4 + 3 = 7 |

National Mathematics Contest 2017 (Toddlers - Grade 1 & 2)

Q5. A bottle of green tea weighs 350 grams. Mom drinks half of it, and then it weighs 200 grams. How heavy is the bottle?

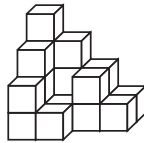**A** 25 grams   **B** 50 grams   **C** 75 grams   **D** 100 grams

---

Q6. How many pieces of are used to compose the figure on the right?
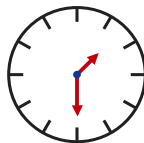

A 23   **B** 24   **C** 20   **D** 16

Q7. The figure on the right is the image of a clock Betsy sees in a mirror. **What is the time shown on the original clock?**

A 10:30   **B** 01:30   **C** 02:30   **D** 11:30

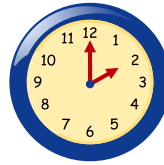**Q8.** Which month comes right after March?
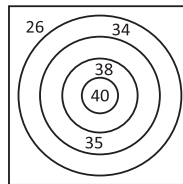
A January   **B** April   **C** February   **D** May

Q9. *Ali arrived at the doctor's office at one o'clock. He waited one hour until he saw the doctor. What time was it when Ali saw the doctor?*

A	B	C	D

Q10. *Jimmy is playing a dart game. If he gets 100 points after throwing 3 darts, what is the score for each dart he threw?*

| 26 | 34 |
| 38 |
| 40 |
| 35 |

A	26, 34, 40	B	24, 38, 40	C	35, 40, 38	D	40, 38, 26

Q11. *The transportation company tracked the number of train tickets sold in the past 4 days.*

train tickets sold	
Day	**Number of tickets**
Saturday	96
Sunday	92
Monday	94
Tuesday	98

On which day were the most train tickets sold?

A	Saturday	B	Sunday	C	Monday	D	Tuesday

Q12. *There are two medium size wooden barrels inside a large barrel and each medium barrel also holds four small barrels. If 2 large barrels were purchased, what is the total number of barrels in this purchase?*

A 10	**B** 11	**C** 18	**D** 22

Q13. *I am a two-digit number. I have an eight in the tens place.*
You say me when you count by tens.

What number am I?

A 60	**B** 70	**C** 80	**D** 90

Q14. *Which even number comes right after 24?*

A 25	**B** 26	**C** 27	**D** 28

Q15. *What fraction of the diamonds are purple?*

A $\frac{2}{7}$	**B** $\frac{4}{5}$	**C** $\frac{1}{5}$	**D** $\frac{3}{7}$

Q16. *Each tool box has 2 pairs of scissors.*
How many pairs of scissors are in 6 tool boxes?

Number of tool boxes	Number of pairs of scissors
1	2
2	4
3	6
4	8
5	10
6	?

A 14	**B** 12	**C** 09	**D** 06

Q17. *Faiza is helping set up for a school picnic by putting out small and large plates. She has a total of 92 paper plates. If she has 50 large ones, how many small paper plates does Faiza have?*

A 42	**B** 52	**C** 142	**D** 152

Q18. *Use the ruler to measure the length of the **Red line** to the nearest centimetre.*
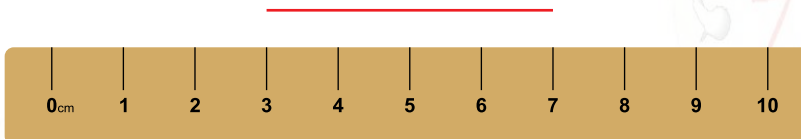
What is the length of the Red line ?

A 3 cm	**B** 4 cm	**C** 5 cm	**D** 7 cm

National Mathematics Contest 2017 (Toddlers - Grade 1 & 2)

Q19. *What is the **temperature?***
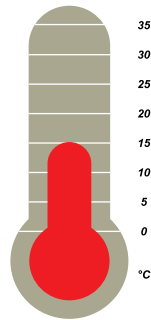
| A | 20 °C | B | 15 °C | C | 10 °C | D | 0 °C |

- -

Q20. *What number has 6 hundreds 8 tens and 5 units?*

| A | 586 | B | 685 | C | 856 | D | 865 |

ICATS
International CATS Contests
An Assessment Center

INTERNATIONAL
CATS CONTESTS
COMPETENCE & APTITUDE TESTING SERVICES

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 and Grade 5-10 will fill in circles of 30 questions.
- Please recheck your Name, Father Name, Grade and 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.

ICATS Mathematics Contest 2017
Grade 1-2

Choose only ONE of the FOUR proposed answers (A, B, C or D) and fill in the circle with your answer.
Example of correctly filled table of answers.

(A) (B) ● (D)   Correct Filling Answer "C"   (A) (B) ⊗ (D)   wrong filling   (A) (B) ● (D)   wrong filling

(A) (B) ⊘ (D)   wrong filling   (A) (B) ● (D)   wrong filling

Q	Answer				Q	Answer				Q	Answer			
1	●	B	C	D	11	A	B	C	●	21	A	B	C	D
2	A	B	●	D	12	A	B	C	●	22	A	B	C	D
3	A	B	●	D	13	A	B	●	D	23	A	B	C	D
4	A	●	C	D	14	A	●	C	D	24	A	B	C	D
5	A	●	C	D	15	A	B	C	●	25	A	B	C	D
6	A	B	●	D	16	A	●	C	D	26	A	B	C	D
7	●	B	C	D	17	●	B	C	D	27	A	B	C	D
8	A	●	C	D	18	A	●	C	D	28	A	B	C	D
9	A	B	●	D	19	A	●	C	D	29	A	B	C	D
10	●	B	C	D	20	A	●	C	D	30	A	B	C	D

INTERNATIONAL
CATS CONTESTS
COMPETENCE & APTITUDE TESTING SERVICES

ICATS
MATHEMATICS
CONTEST
2018

GRADE 1 & 2
TODDLERS

INSTRUCTIONS

1. DON'T START ATTEMPTING THE PAPER UNTIL INSTRUCTED BY THE INVIGILATORS.
2. INSTRUCTIONS FROM THE EXAMINATION INVIGILATORS 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 INTO THE ROOM.
10. THERE ARE FIVE CATEGORIES OF THE CONTEST AS UNDER:
    A. TODDLERS (GRADE 1 & 2)
    B. KIDS (GRADE 3 & 4)
    C. JUNIORS (GRADE 5 & 6)
    D. JUVENILES (GRADE 7 & 8)
    E. ADOLESCENTS (GRADE 9 & 10 / O-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.CATSCONTESTS.ORG
15. ANY ACADEMIC MISCONDUCT OR MALPRACTICE MUST BE REPORTED TO INTERNATIONAL CATS CONTESTS AT INFO@CATSCONTESTS.ORG

Q1. Miss Turner is at the grocery store.

She already has 6 apples and 8 bananas.
She needs a total of 20 apples.

Which number sentence can be used to find the number of apples Miss Turner needs to buy?

A $6 + \square = 20$ **B** $8 + \square = 20$ **C** $\square = 6 + 20$ **D** $\square = 6 + 8 + 20$

Q2. These six basketball jerseys are hanging on a wall. Lori's favorite basketball players each have an odd number on their jerseys.

Which list shows only the numbers of Lori's favorite basketball players?

A 10, 21, 25, 33 **B** 21, 25, 33 **C** 21, 50, 52 **D** 10, 33, 50, 52

Q3. A baseball league bought 4 boxes of baseballs. Each box contained 9 baseballs. How many baseballs did the league buy?

A 36 **B** 66 **C** 13 **D** 5

Q4. Debra and Shelly started running a race at 9:00 A.M. Debra finished in 45 minutes.

Start Time

Shelly finished the race 20 minutes after Debra did. Which clock shows the time Shelly finished the race?
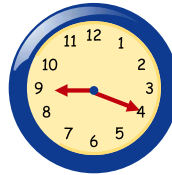
A   **B**   **C**   **D**

Q5. The table shows the number of puzzle pieces in four puzzles. Derek put together the two puzzles that had the greatest number of pieces. What is the total number of pieces in these two puzzles?

Puzzle Pieces

Puzzle	Number of Pieces
Lion	402
Boat	498
Garden	419
Waterfall	473

A 961 **B** 900 **C** 861 **D** Not here

Q6. Wanda traveled on an airplane three times last year.

• In January she traveled 278 miles.
• In April she traveled 652 miles.
• In September she traveled 767 miles.

How many more miles did Wanda travel in January and April combined than she traveled in September?

A 930 mi   B 147 mi   C 163 mi   D 237 mi

Q7. Which statement about the number 34 is true?

A It is odd, because the digit in the tens place is odd.
B It is even, because the digit in the tens place is even.
C It is odd, because it can be divided by 3 evenly.
D It is even, because it can be divided by 2 evenly.

Q8. The graph below shows the favorite sport of each of 160 people.
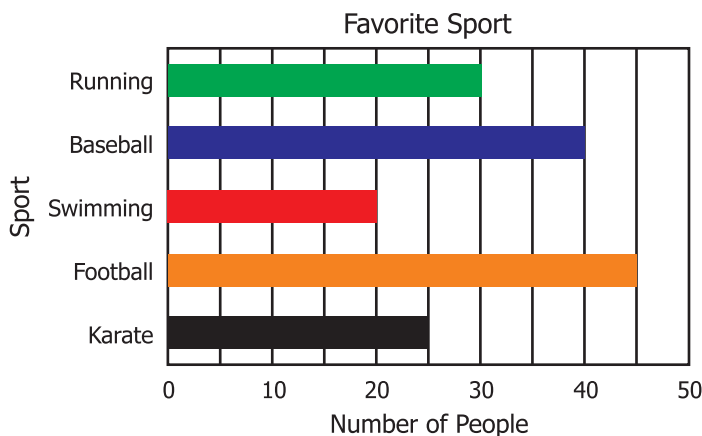
Favorite Sport

According to the graph, how many more people chose baseball than karate as their favorite sport?

A 15   B 20   C 25   D 65

Q9. Edward arranged some cherries into groups, as shown below.
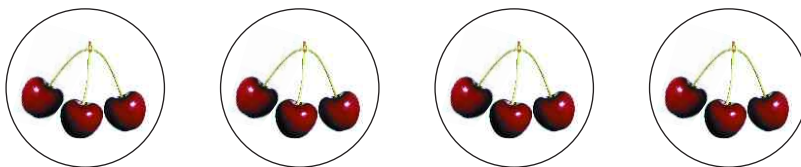
Which expression represents the total number of cherries Edward arranged?

A 4 + 3   **B** 4 x 3   **C** 3 x 3 x 3 x 3   **D** 4 + 4 + 4 + 4

Q10. Cindy made the number pattern shown.

33, 29, 25, 21, 17, _____ , _____

Which two numbers should be next in Cindy's pattern?

A 18 and 19   **B** 16 and 15   **C** 13 and 9   **D** 12 and 8

Q11. In science class, Rose kept track of the height of her plant. The height of her plant after 3 weeks is shown in the picture below.

What fraction of a foot is the height of Rose's plant?

A 5/7
B 7/5
C 5/12
D 7/12

1 foot

Rose's Plant
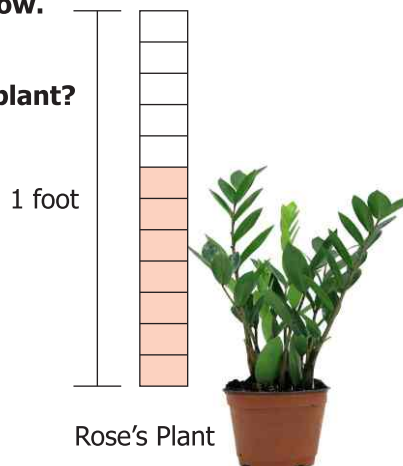
Q12. Fourteen blocks were used to build this three-layer pyramid. How many blocks would we need to build a five-layer pyramid?
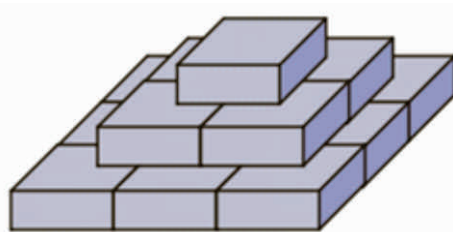
| A | 21 | B | 41 | C | 51 | D | 61 |

Q13. How many numbers are there which are greater than 88?

| 11 | 20 | 22 | 33 | 66 | 88 | 99 | 100 | 101 |

| A | 3 | B | 1 | C | 2 | D | 4 |

Q14. Which part of the shape is the smallest?
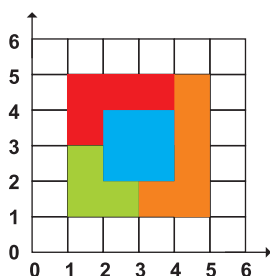
| A | Orange | B | Red | C | Green | D | Blue |

ICATS Mathematics Contest 2018 (Toddlers - Grade 1 & 2)

Q15. Which set of bricks is less heavier?

A Pink

B Red

C Green

D Blue
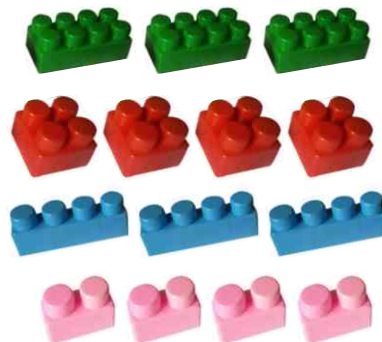
Q16. Sanders ran for 22 minutes. Gabe ran 7 minutes longer than Sanders did. Helen ran 12 minutes less than Gabe. For how many minutes did Helen run?

A 3 minutes   **B** 17 minutes   **C** 27 minutes   **D** 41 minutes

---

Q17. Anita ran part of a 1-mile relay race. The part of the race she ran is shown on the number line below.
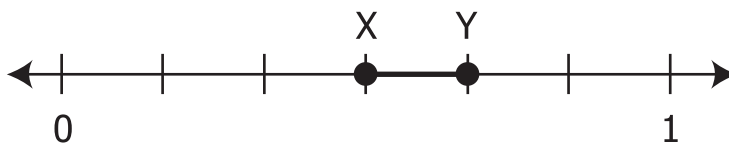
Anita started at point X and finished at point Y. What fraction of the 1-mile relay race did she run?

A 1/6   **B** 1/5   **C** 2/7   **D** 4/6

Q18. Brooke's baby, Ryan, weighed 7 pounds when he was born. Brooke weighed her baby each month after he was born. Ryan's weight each month, in pounds, is shown in the table below.

Ryan's Weight

Age	Weight (pounds)
birth	7
1 month	9
2 months	11
3 months	13
4 months	15

Which statement about the weight of the baby is true?

A The baby gained 1 pound each month.

B The baby gained 2 pounds each month.

C The baby gained 9 pounds in the first month.

D The baby gained 15 pounds in the last month.

Q19. Bob is buying gummy bears at the grocery store. He places his bag of gummy bears on the scale shown below.

What is the best estimate of the weight, in grams, of Bob's gummy bears?
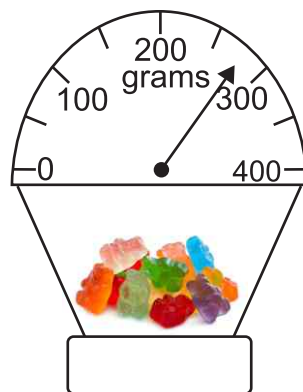
A 250 grams

B 275 grams

C 325 grams

D 350 grams

Q20. Andre visits the library. It takes Andre 26 minutes to walk from his house to the library. He stays at the library 45 minutes. His mother drives him home, which takes 15 minutes. How many more minutes does Andre spend at the library than traveling to and from the library?

A 4 minutes   **B** 11 minutes   **C** 19 minutes   **D** 30 minutes

Compete
if you are
the best

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 and Grade 5-10 will fill in circles of 30 questions.
- Please recheck your Name, Father Name, Grade and 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.

ICATS Mathematics Contest 2018
Grade 1-2

Choose only ONE of the FOUR proposed answers (A, B, C or D) and fill in the circle with your answer.
Example of correctly filled table of answers.

(A) (B) ● (D)   Correct Filling Answer **"C"**

(A) (B) ⊗ (D)   wrong filling
(A) (B) Ⓒ (D)   wrong filling

(A) (B) ⊙ (D)   wrong filling
(A) (B) ● (D)   wrong filling

Q	Answer				Q	Answer				Q	Answer			
1	●	B	C	D	11	A	B	C	●	21	A	B	C	D
2	A	●	C	D	12	A	●	C	D	22	A	B	C	D
3	●	B	C	D	13	●	B	C	D	23	A	B	C	D
4	●	B	C	D	14	A	B	●	D	24	A	B	C	D
5	A	B	C	●	15	●	B	C	D	25	A	B	C	D
6	A	B	●	D	16	A	●	C	D	26	A	B	C	D
7	A	B	C	●	17	●	B	C	D	27	A	B	C	D
8	●	B	C	D	18	A	●	C	D	28	A	B	C	D
9	A	●	C	D	19	A	●	C	D	29	A	B	C	D
10	A	B	●	D	20	●	B	C	D	30	A	B	C	D

ICATS
MATHEMATICS
CONTEST 2019

ICATS
International CATS Contests
An Assessment Center

INTERNATIONAL
CATS CONTESTS
COMPETENCE & APTITUDE TESTING SERVICES
FASTEST GROWING CONTESTS IN PAKISTAN

ICATS MATHEMATICS CONTEST 2019
TODDLERS (GRADE 1 & 2)
TIME ALLOWED : 75 MINUTES, MAXIMUM MARKS : 60
TOTAL QUESTIONS : 20 MCQS

INSTRUCTIONS

1. DON'T START ATTEMPTING THE PAPER UNTIL INSTRUCTED BY THE INVIGILATORS.
2. INSTRUCTIONS FROM THE EXAMINATION INVIGILATORS 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 INTO THE ROOM.
10. THERE ARE FIVE CATEGORIES OF THE CONTEST AS UNDER:
    A.   TODDLERS (GRADE 1 & 2)
    B.   KIDS (GRADE 3 & 4)
    C.   JUNIORS (GRADE 5 & 6)
    D.   JUVENILES (GRADE 7 & 8)
    E.   ADOLESCENTS (GRADE 9 & 10 / O-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.CATSCONTESTS.ORG
15. ANY ACADEMIC MISCONDUCT OR MALPRACTICE MUST BE REPORTED TO INTERNATIONAL CATS CONTESTS AT INFO@CATSCONTESTS.ORG

Q1. Mr. Ahmed bought 30 newspapers in a month. Below are the newspapers that he saved from that month.

How many newspapers are missing from the 30 newspapers which Mr. Ahmed bought?

A 4   **B** 6   **C** 8   **D** 10

Q2. Mr. Ali's class went for bird watching. The students were divided into teams. The table below shows the number of birds each team saw.

BIRD WATCHING

	Team A	Team B	Team C
Sparrows	2	5	3
Robins	6	3	2
Cardinals	1	3	2

How many total birds Team B saw?

A 2   **B** 3   **C** 5   **D** 11

Q3. The students in art class were building a castle with blocks. The pictures below show how many blocks they used each day in building the castle.

Day 1	Day 2	Day 3	Day 4
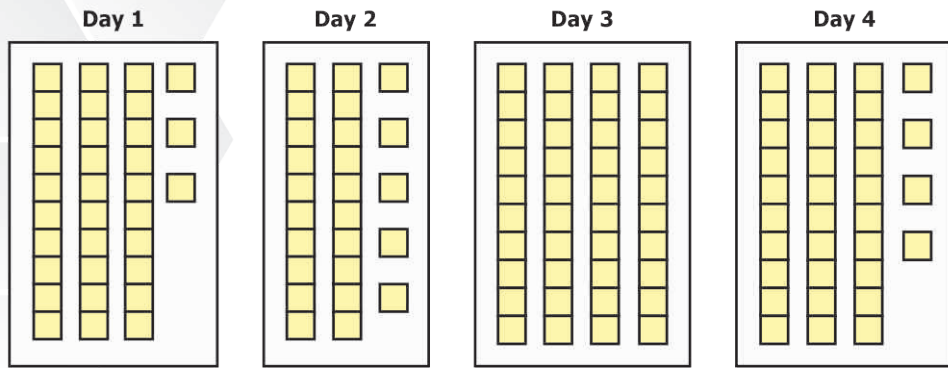
After 4 days the castle was complete. How many blocks in all were used to make the castle?

A 102   **B** 122   **C** 122   **D** 132

Q4. Which clock shows the time 7:08?

A   **B**   **C**   **D**
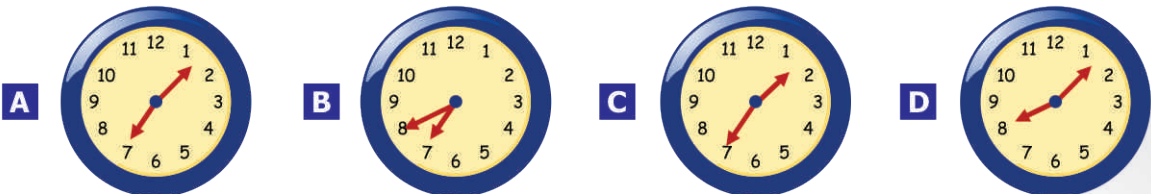
Q5. The table below shows the number of butterflies in four different collections.

BUTTERFLY COLLECTIONS

Collection	Number of Butterflies
A	🦋 🦋
B	🦋 🦋 🦋 🦋
C	🦋 🦋 🦋
D	🦋 🦋 🦋 🦋

KEY

🦋 = _?_ Butterflies

There are 20 butterflies in Collection A. How many butterflies does each butterfly picture in the key represent?

A 2   B 4   C 6   D 10

Q6. Sara used shapes to write the number sentence below.

5 + 4 = 4 + ☐

Which number should be written in the square?

A 2   B 3   C 4   D 5

Q7. Nomi wrote the number sentence below.

$$107 < \underline{\hspace{2cm}}$$

Which number can Nomi write on the line to make the number sentence correct?

A 101 **B** 106 **C** 107 **D** 109

Q8. Areeba has colored 25 pictures in a coloring book. She colors 23 more pictures in the book. What is the total number of pictures Areeba has colored in the book?

A 23 **B** 25 **C** 48 **D** 73

Q9. Which picture shows an even number of flowers?

A
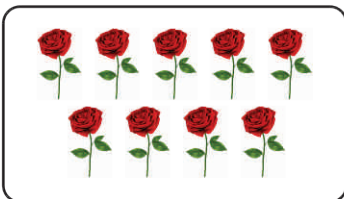
B
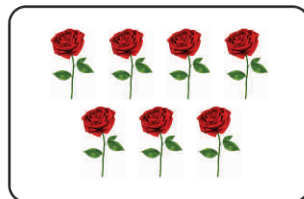
C
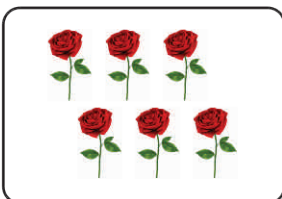
D
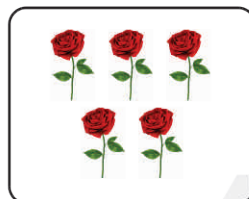
Q10. Which of these has the same number of hundreds as 952?

A 351 **B** 482 **C** 529 **D** 967

Q11. Jamil counts 48 tickets. Sonya counts 20 fewer tickets than Jamil. Which of these tells a way to find how many tickets Sonya counts?

A Add 2 tens to 48. **B** Subtract 2 tens from 48.
C Add 2 ones to 48. **D** Subtract 2 ones from 48.

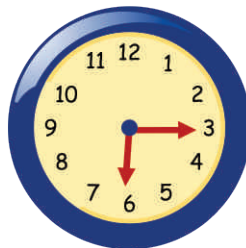**Q12.** Which tool is best for finding the length of a kitchen?

A ruler **B** measuring tape **C** scale **D** measuring spoon

Q13. This clock shows the time a play starts.

Which clock also shows the time the play starts?

A 3:30 **B** 3:35 **C** 6:15 **D** 6:30

Q14. **Which circle shows two halves?**

A   **B**   **C**   **D**
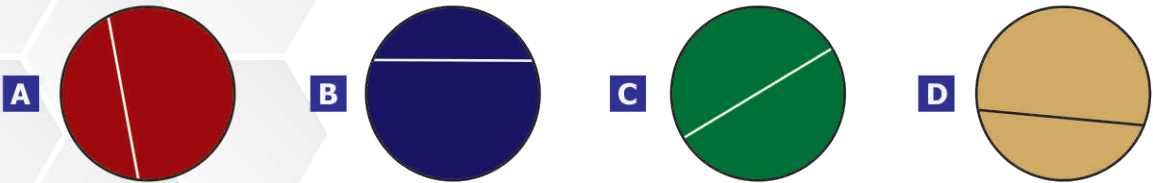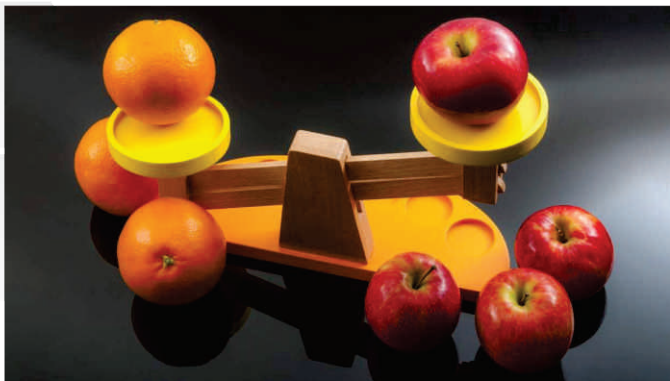

Q15. **How many women are there?**

| **A** Four | **B** Many | **C** Two | **D** There are more women than men |

Q16. **How many matchsticks are there in the picture?**
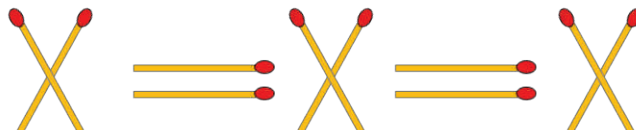
| **A** 12 | **B** 8 | **C** 10 | **D** 9 |

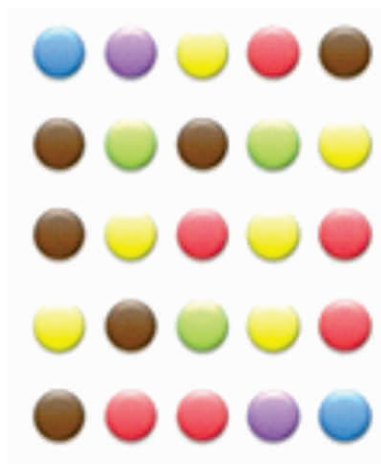**Q17.** How many apples and oranges are there in this picture?

A 6 **B** 8 **C** 7 **D** 9

Q18. Which bead is in the middle between two violet beads?

A a green bead **B** a yellow bead **C** a red bead **D** a brown bead

Q19. Which animal is the first to the right of the wooden bucket?
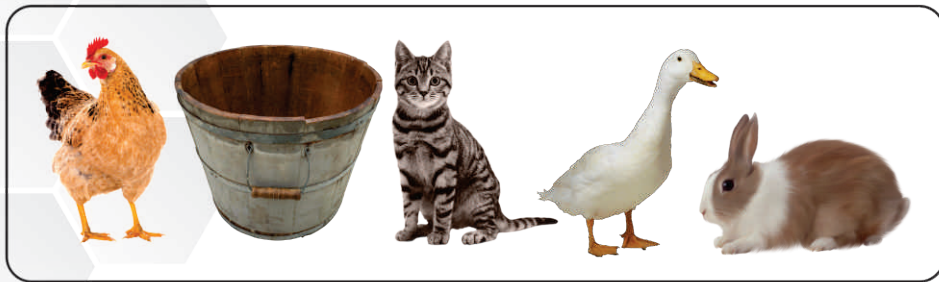
A   **B**   **C**   **D**

Q20. How many more eggs can you put into the package?

A 5   **B** 3   **C** 4   **D** 2

National Toppers ICATS Science Contest 2018

Congratulations

Student Name	Father Name	Grade	School
ALI RIAZ	RIAZ AHMAD	1	BEACONHOUSE SCHOOL SYSTEM (PRIMARY CAMPUS)
FILZA ALI	ALI RAZA	2	ARMY PUBLIC SCHOOL COD
M. ZARAR HAIDER	FAHEEM HASSAN	3	MEEZAN SCHOOL (MAIN CAMPUS)
IMAD AHMAD	BAHARUDDIN	4	ARMY PUBLIC SCHOOL & COLLEGE SWAT
WANIA ALI	SAFDAR ALI	4	LAHORE GRAMMAR SCHOOL (LANDMARK PROJECT)
QASIM RASOOL	FAIZ UR RASOOL	4	ARMY BURN HALL COLLEGE FOR GIRLS
M. RAFFAY KUNDI	AFIF NASEER KUNDI	5	THE SCIENCE SCHOOL
AYESHA JUNAID	MUHAMMD JUNAID	5	LAHORE GRAMMAR SCHOOL
ARYAN HASSAN	AFARASAYAB HASSAN	5	THE CITY JUNIOR SECTION CANAL
TAHER MURTAZA	MURTAZA BHINDERWALA	6	MSB EDUCATIONAL INSTITUTE
AREEJ AMIR	AMIR MASOOD	7	KARACHI PUBLIC SCHOOL
MUHAMMAD ALI	MUHAMMAD NAVEED	8	THE SCIENCE SCHOOL
ZOIBA RIAZ	RIAZ HUSSAIN	9	THE CITY SCHOOL RAHIM YAR KHAN
WAJAHAT MIRZA	ARIF MEHMOOD	10	KOHINOOR GRAMMAR SCHOOL & COLLEGE

National Toppers ICATS IT Contest 2018

Congratulations

Student Name	Father Name	Grade	School
NOOR FATIMA	IMRAN ALI	1	HALIMAH SCHOOL OF EXCELLENCE
MUHAMMAD AFAQ	TAYYAB GHAFFAR	2	MEEZAN SCHOOL (CITY CAMPUS)
UMAR YOUSAF	MUHAMMAD YOUSAF	3	ARMY PUBLIC SCHOOL GARRISON JUNIOR LAHORE CANTT
AAN ZAHRA RANA	RANA	3	ARMY PUBLIC SCHOOL (GIRLS BRANCH)
RIDA YASIR	M. YASIR SALEEM	4	THE CITY SCHOOL (GULSHAN JUNIOR CAMPUS)
MUHAMMAD HAMIZ	MUHAMMAD ADIL	5	AI-QALAM GRAMMAR SCHOOL HAJIWALA
WAJAHAT ALI SHAFIQ	MUHAMMAD SHAFIQ	6	QUAID E AZAM DIVISIONAL PUBLIC SCHOOL
NASHRAH	SHEHZAD	7	GUARDS PUBLIC SCHOOL
ANEES HAMID	HAMID BASHIR	8	PAK TURK INTERNATIONAL SCHOOL AND COLLEGE
LAIBA GABOL	SALEEM GABOL	9	HABIB GIRLS' SCHOOL
AHMED ALI	M . AUN	10	MSB EDUCATIONAL INSTITUTE

Compete
if you are the best

www.catscontests.org

INTERNATIONAL CATS CONTESTS
COMPETENCE & APTITUDE TESTING SERVICES
FASTEST GROWING CONTESTS IN PAKISTAN

ICATS
International CATS Contests
An Assessment Center

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 and Grade 5-10 will fill in circles of 30 questions.
- Please recheck your Name, Father Name, Grade and 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.

ICATS Mathematics Contest 2019
Grade 1-2

Choose only ONE of the FOUR proposed answers (A, B, C or D) and fill in the circle 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	Q. No.	Answer
1	Ⓐ Ⓑ Ⓒ ●	11	Ⓐ ● Ⓒ Ⓓ	21	Ⓐ Ⓑ Ⓒ Ⓓ
2	Ⓐ Ⓑ Ⓒ ●	12	Ⓐ ● Ⓒ Ⓓ	22	Ⓐ Ⓑ Ⓒ Ⓓ
3	Ⓐ Ⓑ Ⓒ ●	13	Ⓐ Ⓑ ● Ⓓ	23	Ⓐ Ⓑ Ⓒ Ⓓ
4	● Ⓑ Ⓒ Ⓓ	14	Ⓐ Ⓑ ● Ⓓ	24	Ⓐ Ⓑ Ⓒ Ⓓ
5	Ⓐ Ⓑ Ⓒ ●	15	Ⓐ Ⓑ ● Ⓓ	25	Ⓐ Ⓑ Ⓒ Ⓓ
6	Ⓐ Ⓑ Ⓒ ●	16	Ⓐ Ⓑ ● Ⓓ	26	Ⓐ Ⓑ Ⓒ Ⓓ
7	Ⓐ Ⓑ Ⓒ ●	17	Ⓐ Ⓑ ● Ⓓ	27	Ⓐ Ⓑ Ⓒ Ⓓ
8	Ⓐ Ⓑ ● Ⓓ	18	Ⓐ Ⓑ ● Ⓓ	28	Ⓐ Ⓑ Ⓒ Ⓓ
9	Ⓐ Ⓑ ● Ⓓ	19	Ⓐ Ⓑ ● Ⓓ	29	Ⓐ Ⓑ Ⓒ Ⓓ
10	Ⓐ Ⓑ Ⓒ ●	20	Ⓐ Ⓑ ● Ⓓ	30	Ⓐ Ⓑ Ⓒ Ⓓ

ICATS

MATHEMATICS

CONTEST 2021

Question Booklet

GRADE 1 & 2
TODDLERS

Time Allowed: 75 Mins.
Maximum Marks: 60

ICATS MATHEMATICS CONTEST 2021
TODDLERS (GRADE 1 & 2)
TIME ALLOWED : 75 MINUTES, MAXIMUM MARKS : 60
TOTAL QUESTIONS : 20 MCQS

INSTRUCTIONS

1. DON'T START ATTEMPTING THE PAPER UNTIL INSTRUCTED BY THE INVIGILATORS.
2. INSTRUCTIONS FROM THE EXAMINATION INVIGILATORS 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 INTO THE ROOM.
10. THERE ARE FIVE CATEGORIES OF THE CONTEST AS UNDER:
    - A. TODDLERS (GRADE 1 & 2)
    - B. KIDS (GRADE 3 & 4)
    - C. JUNIORS (GRADE 5 & 6)
    - D. JUVENILES (GRADE 7 & 8)
    - E. ADOLESCENTS (GRADE 9 & 10 / O-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.CATSCONTESTS.ORG
15. ANY ACADEMIC MISCONDUCT OR MALPRACTICE MUST BE REPORTED TO INTERNATIONAL CATS CONTESTS AT INFO@CATSCONTESTS.ORG

2021

Q1. **Which pattern below follows next?**

A

C

B

D

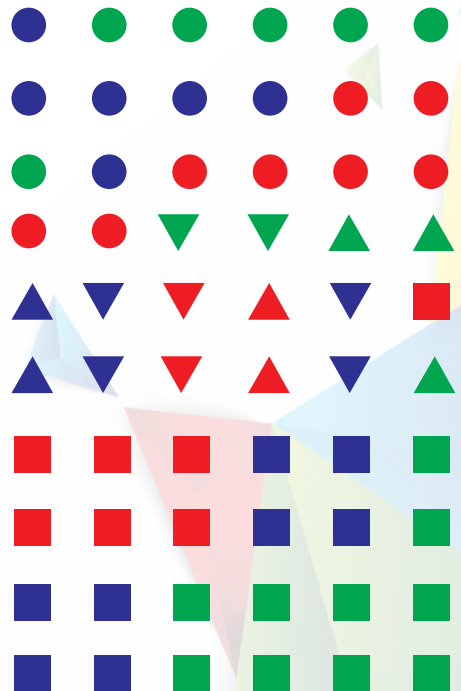**Q2.** **There are 60 shapes altogether in the diagram.**
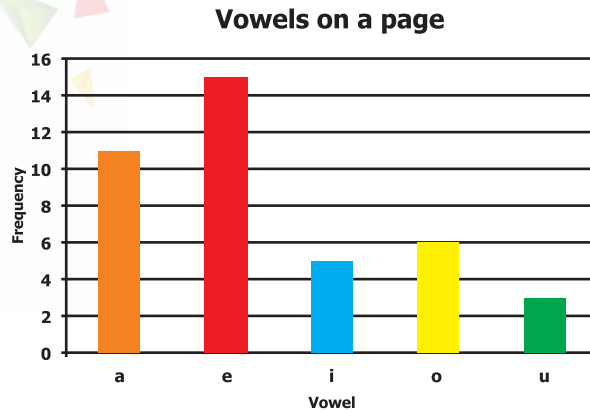
How many squares are there?

A 18

B 20

C 24

D 25

Q3. Fatima recorded the vowels (a, e, i, o and u) from a page of her book.

She drew a bar graph of her results:

Vowels on a page

How many more a's did she get than i's?

A 5   **B** 6   **C** 11   **D** 16

Q4. There are 100 numbers altogether in the diagram.

How many 1's are there that are not red?

A 1
B 5
C 7
D 9

2 3 5 4 0 6 0 7 8 0
1 2 1 4 7 1 1 9 8 5
2 0 3 8 2 4 2 3 9 7
5 7 0 7 3 4 3 5 3 4
2 7 4 2 1 8 4 0 7 3
5 1 5 6 5 2 6 6 3 0
6 7 1 6 9 6 9 6 5 0
1 7 8 7 6 3 7 8 3 2
8 6 8 5 6 8 0 8 6 3
9 7 2 3 9 6 9 0 6 0

Q5. Count the following lines.
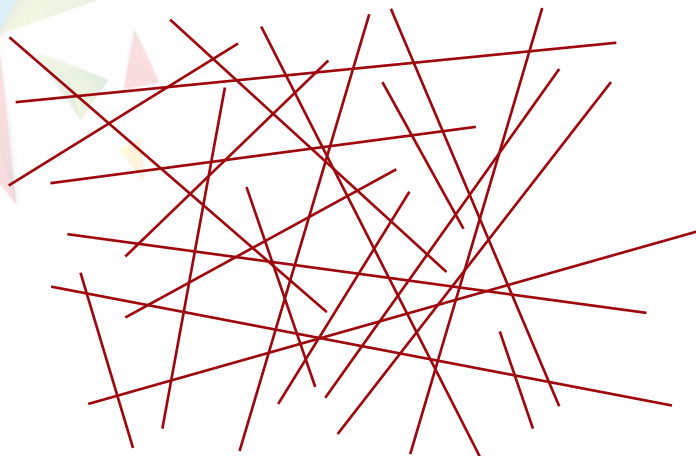
A 20 **B** 21 **C** 22 **D** 23

Q6. How many configurations of blocks appear only once in the figure given below?
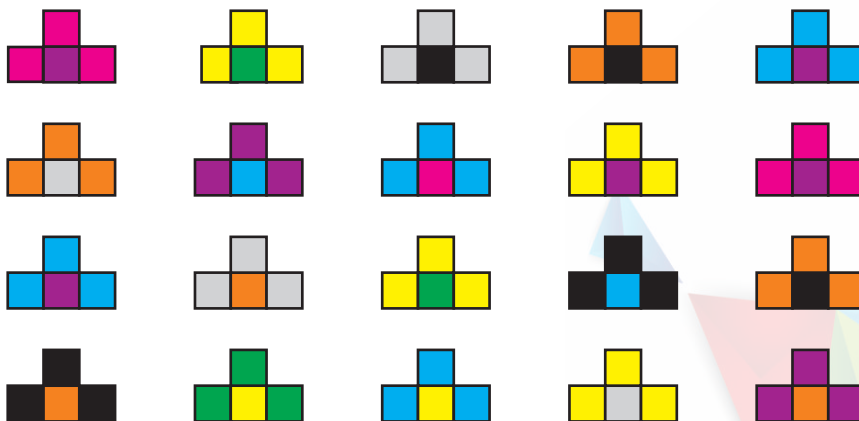
A 11 **B** 12 **C** 13 **D** 14

Q7. **Look at the analog clock:**
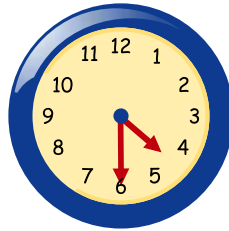
Which digital clock shows the same time?

A `4:00`   **B** `4:30`   **C** `5:30`   **D** `6:25`

Q8. **Khalid is warming up for a soccer game on Saturday morning. What time is it?**

Choose the more likely time.

A   **C**

B   **D**
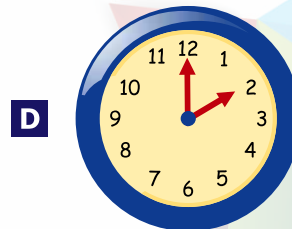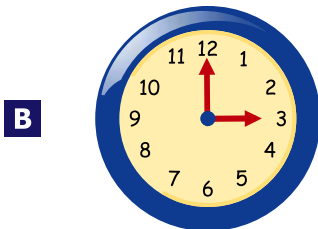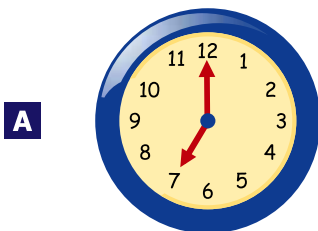
Q9. The following clocks show when some friends got the newspaper Wednesday morning:

Who got the newspaper latest?

Ahmad

Fatima
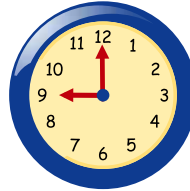
Ali

Amna
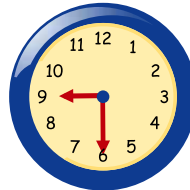
| A | Ahmad | B | Ali | C | Fatima | D | Amna |

Q10. Which month comes right after December?

| A | August | B | October | C | January | D | November |

Q11. Wajeeha and her sister went on a whale-watching cruise. The boat left at 7:30. They were on the boat for 1 hour 30 minutes. What time was it when Wajeeha and her sister got off the boat?

| A | 10:00 | B | 8:00 | C | 11:00 | D | 9:00 |

Q12. **What day of the week is <u>August 5</u>?**

A Monday

B Tuesday

C Wednesday

D Thursday

August						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Q13. **Choose the shape in the middle left.**

A

C

B

D

Q14. **Select the picture that shows equal parts.**

A

B

C

D

Q15. In Amna's house, the kitchen is 11 feet long. The bedroom is 1 foot shorter than the kitchen. The family room is 4 feet longer than the kitchen.

Which room is shortest?

A bedroom **B** kitchen **C** family room **D** none

Q16. The same number is missing from these two number sentences.

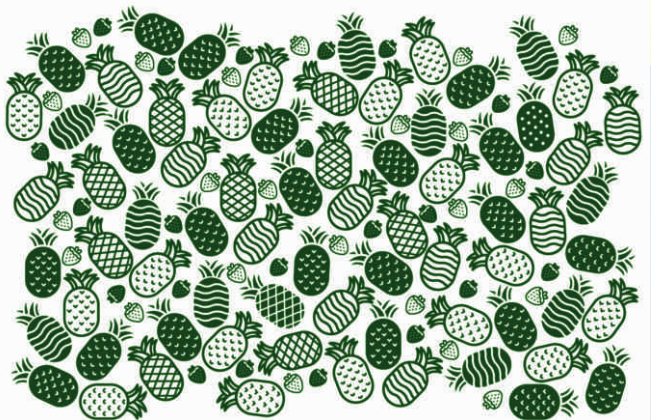$$214 < \boxed{} \qquad \boxed{} < 237$$

Which number could be put in the boxes to make both number sentences true?
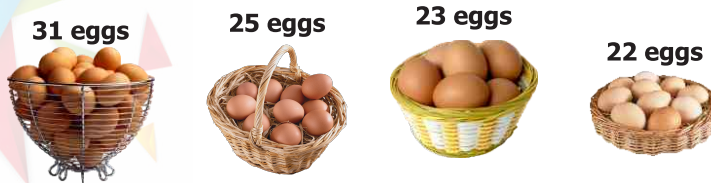
A 229 **B** 201 **C** 266 **D** 243

Q17. There are different types of pineapples in the given figure. How many pineapples appear only once?
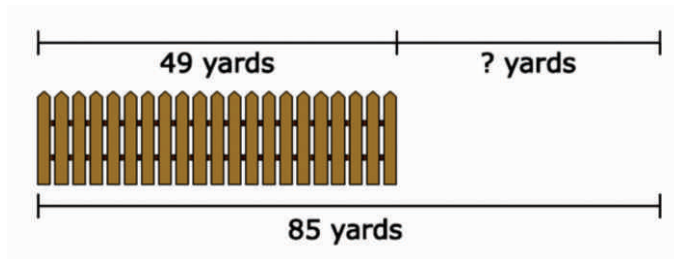
A 1

B 2

C 3

D 4

Q18. The numbers of eggs a farmer collects for four days are shown. How many eggs does the farmer collect altogether?

31 eggs

25 eggs

23 eggs

22 eggs

A 100   B 101   C 102   D 103

Q19. Ahmad is building a fence that will be 85 yards long. This picture shows the number of yards of fence he has already built.
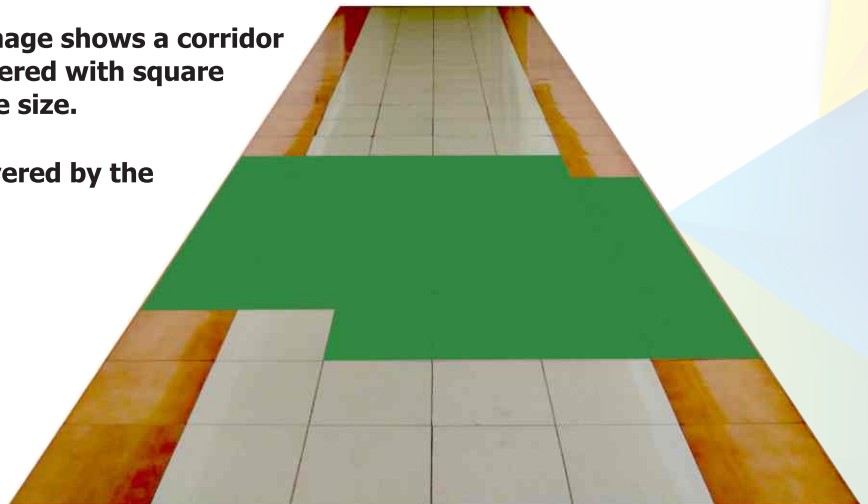

49 yards   ? yards

85 yards

How many more yards of fence does Ahmad need to build?

A 34   B 36   C 44   D 46

Q20. The attached image shows a corridor floor that is covered with square tiles of the same size.

How many tiles are covered by the green patch?

A 27
B 33
C 39
D 46

National Toppers ICATS ART Contest 2020

Student Name	Father Name	Grade	School
MUNTAHA ABASSI	MUNEER AHMED	1	PAKTURK MAARIF INTERNATIONAL SCHOOL
EMAAN FATIMA NAQVI	SYED ARIF HUSSAIN	2	ARMY PUBLIC SCHOOL AND COLLEGE
MUHAMMAD UMAIR	YOUNAS MUHAMMAD MUGHAL	3	BEACONHOUSE SCHOOL SYSTEM
AHMED KHAN	M. BILAL KHAN	4	KARACHI CAMBRIDGE SCHOOL
FABIHA RASHID	M. RASHID	5	LAHORE GRAMMAR SCHOOL
AYESHA ARSHAD	RANA M. ARSHAD	6	PAKISTAN INTERNATIONAL PUBLIC SCHOOL
AREEBA AHMAD	MATEEN AHMED	7	KIPS SCHOOL
MANAHIL AHMED	KHAWAJA MUSHTAQ AHMED	8	USMAN PUBLIC SCHOOL SYSTEM (CAMPUS 14)
SHIFA NOORANI	SIRAJ NOORANI	9	LEADERSHIP SCHOOL
ESHA SALMAN	MUHAMMAD SALMAN BUTT	10	THE EDUCATORS

Congratulations

National Toppers ICATS Creative Writing Contest 2020

Student Name	Father Name	Grade	School
ALIYA HASNAIN	HASNAIN NAQVI	1	LAHORE GRAMMAR SCHOOL
AHMED KAMAL	MAJ. MUHAMMAD KAMAL	2	ARMY PUBLIC SCHOOL
BURHANUDDIN	M. HUSAIN KOTHARI	2	MSB EDUCATIONAL INSTITUTE
AMNA AZEEM	MUHAMMAD FAISAL	3	THE LEARNING CASTLE SCHOOL
ZARA KHALID	KHALID HAKIM	4	USMAN PUBLIC SCHOOL SYSTEM (CAMPUS 14)
HARIS A	ANWAR	5	PESHAWAR MODEL SCHOOL
KHADIJA HASNAIN	HASNAIN QADRI	6	LAHORE GRAMMAR SCHOOL
MERAL AZMAT	AZMAT KHAN	7	BEACONHOUSE SCHOOL SYSTEM
AMINA NOOR	MUHAMMAD JAHANGIR	8	FAUJI FOUNDATION MODEL SCHOOL
INSHAL	ISRAR KHAN	9	KOHINOOR GRAMMAR SCHOOL
AREESHA IMTIAZ	IMTIAZ ALI	10	HABIB GIRLS' SCHOOL

Congratulations

Compete
if you are the best

www.catscontests.org

INTERNATIONAL
CATS CONTESTS
COMPETENCE & APTITUDE TESTING SERVICES
FASTEST GROWING CONTESTS IN PAKISTAN

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 and Grade 5-10 will fill in circles of 30 questions.
- Please recheck your Name, Father Name, Grade and 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.

MATHEMATICS CONTEST 2021
(Grade 1-2)

Choose only ONE of the FOUR proposed answers (A, B, C or D) and fill in the circle with your answer.
Example of correctly filled table of answers.

(A) (B) ●(C) (D)   Correct Filling Answer **"C"**   (A) (B) ⊗(C) (D) wrong filling   (A) (B) ◍(C) (D) wrong filling

(A) (B) ⊘(C) (D) wrong filling   (A) (B)○ C (D) wrong filling

Q. No.	Answer	Q. No.	Answer	Q. No.	Answer
1	A B ●C D	11	A B C ●D	21	A B C D
2	A B C ●D	12	●A B C D	22	A B C D
3	A ●B C D	13	A ●B C D	23	A B C D
4	A B ●C D	14	A B C ●D	24	A B C D
5	A B ●C D	15	●A B C D	25	A B C D
6	A ●B C D	16	●A B C D	26	A B C D
7	A ●B C D	17	A ●B C D	27	A B C D
8	●A B C D	18	A ●B C D	28	A B C D
9	●A B C D	19	A ●B C D	29	A B C D
10	A B ●C D	20	A ●B C D	30	A B C D

INTERNATIONAL
CATS CONTESTS
COMPETENCE & APTITUDE TESTING SERVICES
FASTEST GROWING CONTESTS IN PAKISTAN

ICATS
International CATS Contests

An Assessment Center

2022
QUESTION BOOKLET

GRADE 1 & 2
TODDLERS
Time Allowed: 75 Mins.
Maximum Marks: 60

ICATS
MATHEMATICS
CONTEST 2022

ICATS MATHEMATICS CONTEST 2022
TODDLERS (GRADE 1 & 2)
TIME ALLOWED : 75 MINUTES, MAXIMUM MARKS : 60
TOTAL QUESTIONS : 20 MCQS

INSTRUCTIONS

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

2. INSTRUCTIONS FROM THE EXAMINATION INVIGILATORS 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 INTO THE ROOM.

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

A. TODDLERS (GRADE 1 & 2)

B. KIDS (GRADE 3 & 4)

C. JUNIORS (GRADE 5 & 6)

D. JUVENILES (GRADE 7 & 8)

E. ADOLESCENTS (GRADE 9 & 10 / O-LEVELS)

11. 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.CATSCONTESTS.ORG

15. ANY ACADEMIC MISCONDUCT OR MALPRACTICE MUST BE REPORTED TO INTERNATIONAL CATS CONTESTS AT INFO@CATSCONTESTS.ORG

Q1. Which abacus shows the sum of 15 + 9?

A T O

C T O

B T O

D T O
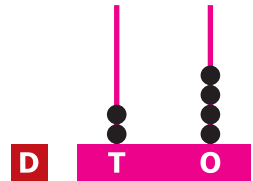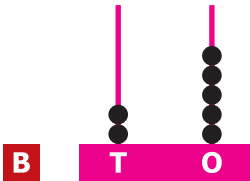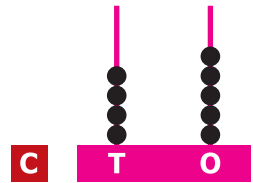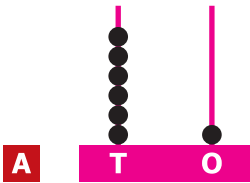
Q2. A bee flies 3 flowers at a time starting from flower 1 and flies 2 times, on which flower the bee will land at last?

1 2 3 4 5 6 7 8 9 10
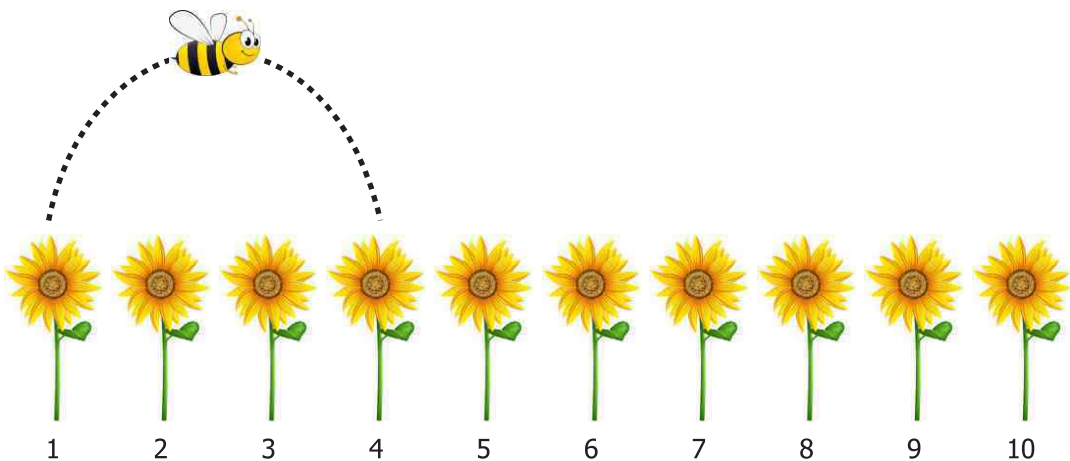
A 7   **B** 8   **C** 4   **D** 9

Q3. Arrange the below numbers to make the smallest possible 3 digit number:

8 3 6

A 863   B 638   C 386   D 368

Q4. Which of the following has smallest value?

A Twenty-Eight   B 2 tens 3 ones   C 9 more than 23   D 2 less than 23

Q5. Which of the following figures is exactly embedded in the given figure as one of its parts?

A   B   C   D
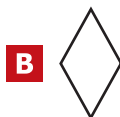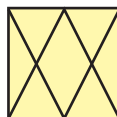
Q6. Ahmad is taller than Atif, Atif is taller than Asif. Who is the smallest among them?

A Ahmad   **B** Atif   **C** Asif   **D** Can't be determined

---

Q7. How many squares are there in the figure?
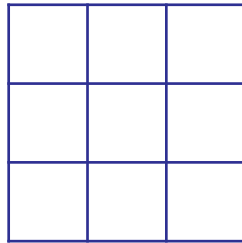
A 9   **B** 12   **C** 13   **D** 14

Q8. Which car is second to the left of fourth car from the right end?

T   O   A   F   G   H   L   M

A Q   **B** G   **C** A   **D** F

Q9. How many slanting lines are there in the given figure?
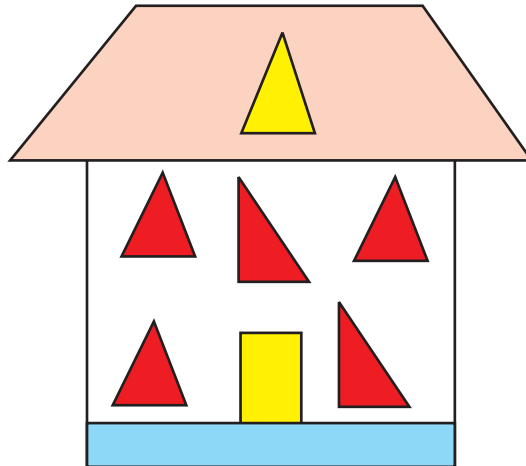
| A | 10 | B | 12 | C | 15 | D | 8 |

Q10. Select the CORRECT statement.

A The largest 3-digit number formed by using all the digits 9, 4 and 7 is an odd number.

B The place value of 2 in 523 is 2.

C 42 tens is same as 402.

D The number 99 comes just before the smallest three digit number.

Q11. Tomorrow is SUNDAY. What day was yesterday?

A Saturday   **B** Monday   **C** Friday   **D** None of these

---

Q12. How many Saturdays are there in January?

A 4   **B** 5   **C** 6   **D** 3

Q13. Which tool would you use to find out how heavy a bag of apple is?

A

Scale

B

Tea Spoon

C

Clock

D None of these

Q14. I have a one in the ones place. I am greater than 41 but less than 57.

What number am I?

A 51   **B** 61   **C** 56   **D** 42

Q15. Kavya starts her dance practice on third Thursday of October 2022. How many days did she practice in that month? Every Sunday is a holiday.

A 15   **B** 17   **C** 13   **D** None of these

Q16. I buy a box of 12 Mangoes. I ate quarter of the mangoes. How many mangoes are left in the box?

A 4   **B** 9   **C** 8   **D** 10

Q17. When you start learning about swimming, it may be that you will go down the steps carefully to reach the bottom, or use the ladder from the side of the pool. Here's a picture of a set of steps and the ladder.
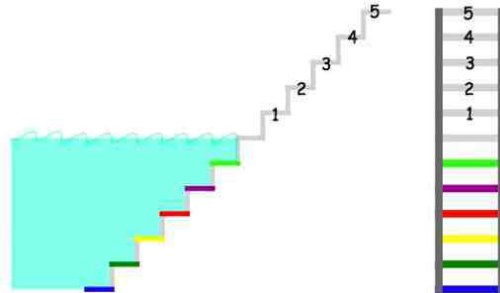
You'll probably have noticed the coloured steps. The coloured steps are not numbered. The first step into the water is light green, the second step is purple, the third red and so on.

Suppose your friend puts you on step 4 and you only want to go a little way into the water so you head for the red step. Stepping down carefully, one step at a time, how many steps will you have to take?

A 6   **B** 7   **C** 8   **D** 9

Q18. This problem has been inspired by "The Man", a story by Raymond Briggs, which you might like to read.

The Man is much smaller than you and me.
Here is a picture of him standing next to a mug.

Can you estimate how tall he is?

A 4 to 5 inches
B 10 to 11 inches
C 1 to 2 feet
D 2 to 3 feet

Q19. In Sam's bedroom there is an old alarm clock which his Dad had thrown out because it had lost its minute hand. Although it has only its small hand, Sam can still tell the time using it. He can tell the hour, such as midday. He can tell when it is time to get up, time to go to school and time to turn his light out at night.

A   B   C   D

At what time does Sam get up and at what time does Sam go to school?

A	Get up – A, Go to School D	C	Get up – C, Go to School D
B	Get up – A, Go to School C	D	Get up – D, Go to School A

Q20. You are playing a video game. When you press the "turn" button, it gives the following man a quarter turn clockwise. How many times you need to press the turn button to give the man position C?
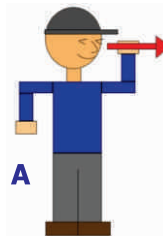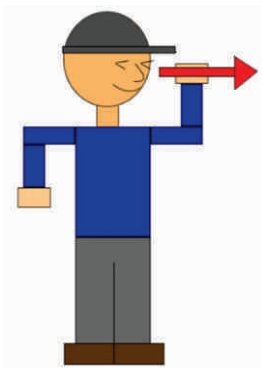
A
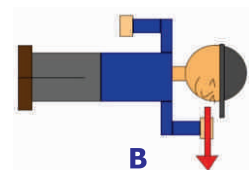
B
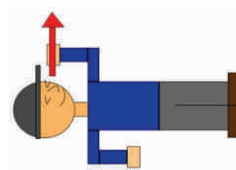
C
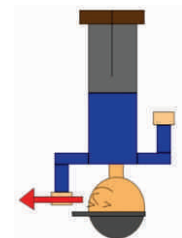
D

A	1 time	B	2 times	C	3 times	D	4 times

National Toppers ICATS Art Contest 2022

Student Name	Father Name	Grade	School
HUMNA NADIR	M. NADIR IKRAM	1	FOUNDATION PUBLIC SCHOOL
HAIDER ALI	ALI MUSHTAQ	2	ARMY PUBLIC SCHOOL & COLLEGE
MUHAMMAD YOUSAF	KAMRAN ASHRAF	3	KOHSAR CHILDREN'S ACADEMY
MUHAMMAD ZAID	M. SOHAIB NIZAMI	4	GENERATIONS SCHOOL
HANIA ABID	MRS. ASMA LATIF	5	FATIMA FERTILIZER SCHOOL
RUQAIYAH ALI ASGHER	ALI ASGHER KHAMBATWALA	5	MSB EDUCATIONAL INSTITUTE
RAMISHA ALI	ABID ALI MUGHAL	6	GOVT. QUEEN MARY GRADUATE COLLEGE
SYEDA FATIMA SURIYA	SYED TAHIR HUSSAIN	7	BEACONHOUSE SCHOOL SYSTEM
MANAL ARSHAD	MUHAMMAD ARSHAD	8	HABIB GIRLS SCHOOL
MARYAM SHAHID	SHAHID IQBAL	9	BAHRIA COLLEGE
AREEBA KHAN	DURAIZ KHAN	10	PRESENTATION CONVENT HIGH SCHOOL

Congratulations

National Toppers ICATS Creative Writing Contest 2022

Student Name	Father Name	Grade	School
HASSAN WASEEM	M. WASEEM	1	PAKISTAN INT'L PUBLIC SCHOOL
M. AFNAN SUFDER	SUFDER HUSSAIN	2	ARMY PUBLIC SCHOOL AND COLLEGE SYSTEM
FATIMA NOOR	BILAL YOUSAF	3	LAHORE GRAMMAR SCHOOL
M. ABDULLAH HASSAN	RIZWAN AHMAD	3	LAHORE GRAMMAR SCHOOL
SHANZAY ADNAN	ADNAN FAROOQ	3	ARMY PUBLIC SCHOOL
PRATIK PARKASH	PARKASH LAL	4	THE CITY SCHOOL
DANIYAL SHAHZAD	SHAHZAD ASLAM	5	LAHORE GRAMMAR SCHOOL
HASSAN ALI	IMRAN ALI SHAH	6	ARMY PUBLIC SCHOOL & COLLEGE
MAIDA SOHAIL	SOHAIL AKRAM	7	BEACONHOUSE SCHOOL SYSTEM
ATIYA ATIF	MUHAMMAD ATIF NAZAR	8	ROOTS IVY INTERNATIONAL SCHOOL
AYESHA HAFEEZ	CH. GHULAM HAFEEZ	8	ISLAMABAD COLLEGE OF ARTS & SCIENCES
PARTHAM KUMAR	DOULAT RAM	9	AGA KHAN HIGHER SECONDARY SCHOOL
AMNA HUSNAIN	SYED ALI ZAFAR	10	AES SCHOOL FOR GIRLS
RASIKH JAVED	M JAVED	10	BAHRIA FOUNDATION COLLEGE

Congratulations

Compete if you are the best

www.catscontests.org

INTERNATIONAL CATS CONTESTS
COMPETENCE & APTITUDE TESTING SERVICES
FASTEST GROWING CONTESTS IN PAKISTAN

ICATS International CATS Contests — An Assessment Center

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 and Grade 5-10 will fill in circles of 30 questions.
- Please recheck your Name, Father Name, Grade and School written below, the same would appear at your certificate. Make all corrections on the Attendance Sheet only.
- Use of lead pencil is not allowed. Use only Black / Blue ink to fill in the circles.

ICATS Mathematics Contest 2022
Grade 1-2

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

Example of correctly filled answer. (A) (B) ● (D)   Correct Filling Answer **"C"**

Q. No.	Answer	Q. No.	Answer	Q. No.	Answer
1	(A) (B) (C) ●	11	(A) (B) ● (D)	21	(A) (B) (C) (D)
2	● (B) (C) (D)	12	(A) ● (C) (D)	22	(A) (B) (C) (D)
3	(A) (B) (C) ●	13	● (B) (C) (D)	23	(A) (B) (C) (D)
4	(A) (B) (C) ●	14	● (B) (C) (D)	24	(A) (B) (C) (D)
5	(A) ● (C) (D)	15	(A) (B) (C) ●	25	(A) (B) (C) (D)
6	(A) (B) ● (D)	16	(A) ● (C) (D)	26	(A) (B) (C) (D)
7	(A) (B) (C) ●	17	(A) ● (C) (D)	27	(A) (B) (C) (D)
8	(A) (B) ● (D)	18	● (B) (C) (D)	28	(A) (B) (C) (D)
9	(A) ● (C) (D)	19	(A) (B) (C) ●	29	(A) (B) (C) (D)
10	(A) (B) (C) ●	20	(A) (B) ● (D)	30	(A) (B) (C) (D)

INTERNATIONAL CATS CONTESTS
COMPETENCE & APTITUDE TESTING SERVICES
FASTEST GROWING CONTESTS IN PAKISTAN

2023

QUESTION BOOKLET

GRADE 1 & 2
TODDLERS

Time Allowed: 75 Mins.
Maximum Marks: 60

ICATS
MATHEMATICS
CONTEST 2023

ICATS MATHEMATICS CONTEST 2023
TODDLERS (GRADE 1 & 2)
TIME ALLOWED : 75 MINUTES, MAXIMUM MARKS : 60
TOTAL QUESTIONS : 20 MCQS

INSTRUCTIONS

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

2. INSTRUCTIONS FROM THE EXAMINATION INVIGILATORS 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 INTO THE ROOM.

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

    A.   TODDLERS (GRADE 1 & 2)

    B.   KIDS (GRADE 3 & 4)

    C.   JUNIORS (GRADE 5 & 6)

    D.   JUVENILES (GRADE 7 & 8)

    E.   ADOLESCENTS (GRADE 9 & 10 / O-LEVELS)

11. 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.CATSCONTESTS.ORG

15. ANY ACADEMIC MISCONDUCT OR MALPRACTICE MUST BE REPORTED TO INTERNATIONAL CATS CONTESTS AT INFO@CATSCONTESTS.ORG

Q1. Which group has maximum number of buttons?

Group 1

Group 2

Group 3

Group 4

A Group 1   **B** Group 2   **C** Group 3   **D** Group 4

Q2. Which is the heaviest?

A

C

B

D

Q3. Honey is preparing for his exams that are in the first week of the month of April. He has two months for the preparation of exams. Which is the present month?

A January   **B** February   **C** March   **D** December

Q4. Which pot holds the least amount of water?

Pot 1   Pot 2   Pot 3   Pot 4

A Pot 1   **B** Pot 2   **C** Pot 3   **D** Pot 4

Q5. Which of the following activities can be done in one minute?

A Playing cricket   **C** Sharpening a pencil

B Going to school   **D** Doing homework

Q6. Raheel started his football practice from 1st December 2014. If he practices for 20 days excluding Sundays, his practice finishes on _____.

December 2014

Sun	Mon	Tue	Wed	Thur	Fri	Sat
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

A Tuesday   **B** Friday   **C** Saturday   **D** Wednesday

Q7. Ali buys one costliest item and one cheapest item. If he gives a Rs. 50 note to the seller, how much money will he get back from the seller?

Burger	Rs. 20
Chips	Rs. 12
Chocolate	Rs. 15
Milkshake	Rs. 10

A Rs. 20　　　**B** Rs. 25　　　**C** Rs. 35　　　**D** Rs. 45

Q8. Asif is shorter than Ahmad, Ahmad is shorter than Jamil and Naveed is taller than Asif but shorter than Ahmad. Who is the tallest among them?
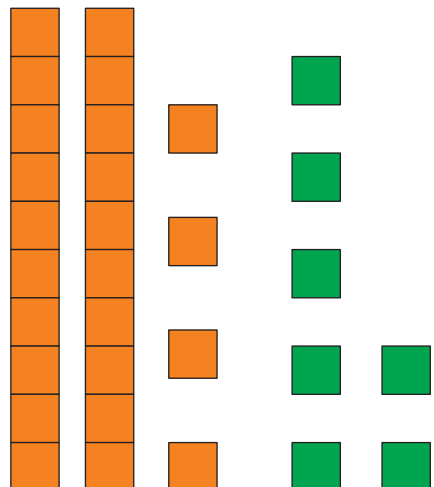
A Ahmad　　　**B** Naveed　　　**C** Asif　　　**D** Jamil

Q9. The blocks show 24 + 7.

There are enough ones to regroup into a ten. How many tens and ones would you have if you regrouped?

A 3 tens and 1 ones
B 3 tens and 9 ones
C 2 tens and 7 ones
D 2 tens and 4 ones

Q10. **Read the story.**

There are 8 birds.

Then, 7 birds fly away.

Choose a subtraction sentence to match the story.

A 8 - 1 = 7   **B** 7 - 1 = 8   **C** 8 - 7 = 1   **D** None of these

---

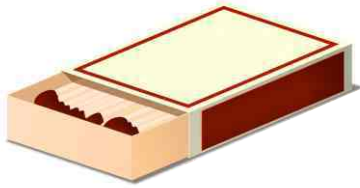**Q11.** **You buy 2 boxes of eggs as shown below. You use half of the eggs in a cake. How many eggs are left?**
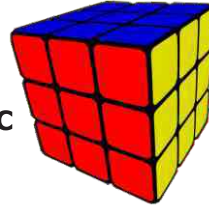
A 2
B 4
C 6
D 16

Q12. Which of the following does not have corners?

A

C

B
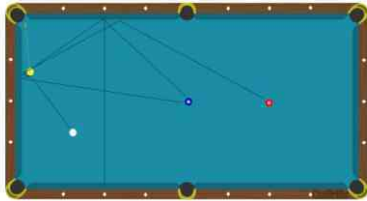
D

| A | A | B | B | C | C | D | D |

Q13. Which unit should be used to measure length of a pencil?

| A | Meter | B | Centimeter | C | Kilometer | D | None of these |

Q14. If 'standing lines' are called 'sleeping lines', 'sleeping lines' are called 'curved lines' and 'curved lines' are called 'slanting lines', then the circle is formed by_____.
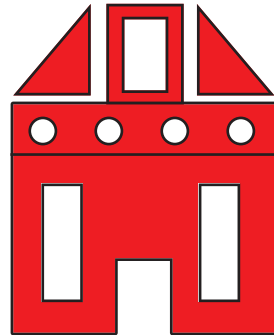
| A | standing lines | B | slanting lines | C | curved lines | D | sleeping lines |

Q15. Which of the following shapes is missing in the given figure?

A Triangle
B Circle
C Square
D Rectangle

Q16. What comes next in this sequence

17	15	13	11	9	7

A A yellow rectangle with the number 8
B A purple rectangle with the number 3
C A yellow rectangle with the number 6
D A purple rectangle with the number 5

Q17. Your teacher has requested you to find a quarter of this cake, you should_____
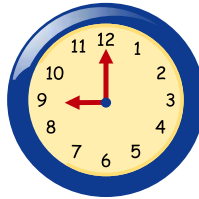
A cut it into 2 equal pieces
B cut it into 4 equal pieces
C share it with some friends
D eat some and share the rest

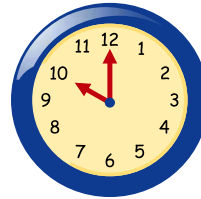**Q18.** The following clocks show the time when some friends got the newspaper on Wednesday morning:

Ali **Ahmad** **Asif**

Who got the newspaper latest?

A Ali   **B** Ahmad   **C** Asif   **D** None of these

Q19. A milkman has below three milk vessels.

How much total milk can he carry?

MILK 5L   **MILK 2L**   **MILK 500mL**

A 5L 500mL   **B** 8L   **C** 7L 500mL   **D** 13L

Q20. A teacher told her students to draw a picture of a car. All students drew the car differently. Next day, when they showed their pictures to each other, they were very excited. But Ali started laughing. He was looking at Fatima's drawing of a car.

Both of them drew the picture of the same car. But the drawings looked different. Fatima said she had looked at the car from the terrace.

Which picture of the car was drawn by Fatima?

Car 1
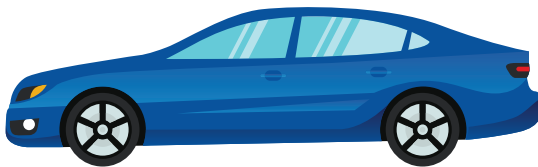
Car 3

Car 2

Car 4

| A | Car 1 | B | Car 2 | C | Car 3 | D | Car 4 |

National Toppers ICATS Art Contest 2023

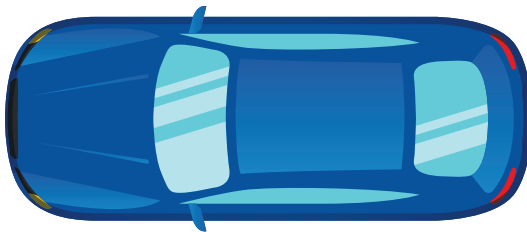| Student Name	Father Name	Grade	School
ZOHA SUALEH	MIR M. SHAH SUALEH	1	FUTURE WORLD SCHOOL
SHAZIL ASAF	ASAF JAVED	1	ARMY PUBLIC SCHOOL & COLLEGE FOR BOYS
MUHAMMAD WALEE KHAN	FAHEEM ASHRAF	2	NUST CREATIVE LEARNING SCHOOL & COLLEGE
RAYYAN IRFAN	DR. MUHAMMAD YOUSAF	3	DHA JUNIOR SCHOOL
ANABIYA	HUSSAIN ABID	3	APS&C PMA
MAHNOOR	GHULAM MUSTAFA	4	AES SCHOOL FOR GIRLS
MEERAB KHAN	ADNAN ASIF KHAN	5	LAHORE GRAMMAR SCHOOL (JUNIOR SECTION)
MAHEEN MUNIR	MUNIR KHAN	6	FAUJI FOUNDATION SCHOOL
TALHA ALI KHAN	SADAQAT ALI	7	JOINT STAFF PUBLIC SCHOOL & COLLEGE
AREESHA MOBEEN	MOBEEN TAHIR	8	LAHORE GRAMMAR SCHOOL
ASMA NAEEM	NAEEM AMIN	9	ALLAMA IQBAL PUBLIC GIRLS HIGH SCHOOL
SUMERA KHAN	IMRAN KHAN	10	AES SCHOOL FOR GIRLS

Congratulations

National Toppers ICATS Creative Writing Contest 2023

Student Name	Father Name	Grade	School
FAARIS ALI QURESHI	DANYAL QURESHI	1	LAHORE GRAMMAR SCHOOL
KHADIJA AHSAN	AHSAN MAJEED	2	LAHORE GRAMMAR SCHOOL
ZAYYAN MUSTAFA	QAMAR MUSTAFA	3	ARMY PUBLIC SCHOOL (BOYS & GIRLS)
SIBTAIN ALI KHAN	FAWAD ALI PATHAN	4	PAK-TURK MAARIF INTERNATIONAL SCHOOLS & COLLEGES
SAARIM THARANI	IMRAN NOORALI THARANI	5	AGA KHAN SCHOOL GARDEN
M. AHMED JADOON		6	THE CITY SCHOOL (RAVI CAMPUS)
ARISHA MAZHAR	MAZHAR ALI	7	KOHSAR CHILDREN'S ACADEMY
VERDAH SAHAR USMAN	USMAN TARIQ SHEIKH	7	LAHORE GRAMMAR SCHOOL
SALEHA SHAHID	SHAHID WAHEED	8	THE CITY SCHOOL (PESHAWAR CAMPUS)
HALEEMA USMAN	USMAN AHMED	8	TNS BEACONHOUSE
UMAIMA AIMEN	MUBASHIR MUSTAFA	9	RANGERS PUBLIC SCHOOL
RANIA ZAKIA MALIK	TAHIR NAEEM MALIK	10	ISLAMABAD COLLEGE OF ARTS AND SCIENCES

Congratulations

Compete if you are the best

🌐 https://www.catscontests.org/

f https://www.facebook.com/catscontests.org

📷 https://instagram.com/icatscontests?igshid=MzRlODBiNWFlZA==

▶ YouTube Channel for solved ICATS Mathematics Contests **Past Papers**
https://www.youtube.com/@NumbersWorld1

INTERNATIONAL CATS CONTESTS
COMPETENCE & APTITUDE TESTING SERVICES
FASTEST GROWING CONTESTS IN PAKISTAN

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 and Grade 5-10 will fill in circles of 30 questions.
- Please recheck your Name, Father Name, Grade and School written below, the same would appear at your certificate. Make all corrections on the Attendance Sheet only.
- Use of lead pencil is not allowed. Use only Black / Blue ink to fill in the circles.

ICATS Mathematics Contest 2023
Grade 1-2

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

Example of correctly filled answer. (A) (B) ● (D)   Correct Filling Answer **"C"**

Q. No.	Answer	Q. No.	Answer	Q. No.	Answer
1	(A) (B) (C) ●	11	(A) (B) ● (D)	21	(A) (B) (C) (D)
2	● (B) (C) (D)	12	(A) (B) (C) ●	22	(A) (B) (C) (D)
3	(A) ● (C) (D)	13	(A) ● (C) (D)	23	(A) (B) (C) (D)
4	(A) (B) ● (D)	14	(A) ● (C) (D)	24	(A) (B) (C) (D)
5	(A) (B) ● (D)	15	(A) (B) ● (D)	25	(A) (B) (C) (D)
6	(A) ● (C) (D)	16	(A) (B) (C) ●	26	(A) (B) (C) (D)
7	● (B) (C) (D)	17	(A) ● (C) (D)	27	(A) (B) (C) (D)
8	(A) (B) (C) ●	18	● (B) (C) (D)	28	(A) (B) (C) (D)
9	● (B) (C) (D)	19	(A) (B) ● (D)	29	(A) (B) (C) (D)
10	(A) (B) ● (D)	20	(A) ● (C) (D)	30	(A) (B) (C) (D)