



ICATS MATHEMATICS CONTEST 2021

Question Booklet **GRADE 3 & 4 KIDS**

*Time Allowed: 75 Mins.
Maximum Marks: 75*



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

ICATS MATHEMATICS CONTEST 2021

KIDS (GRADE 3 & 4)

TIME ALLOWED : 75 MINUTES, MAXIMUM MARKS : 75
TOTAL QUESTIONS : 25 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 UNSCORTED 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. A young rock climber is climbing up a rock. She climbs 5 meters every minute. How long will she take to reach the top of the rock which is at 495 meters.

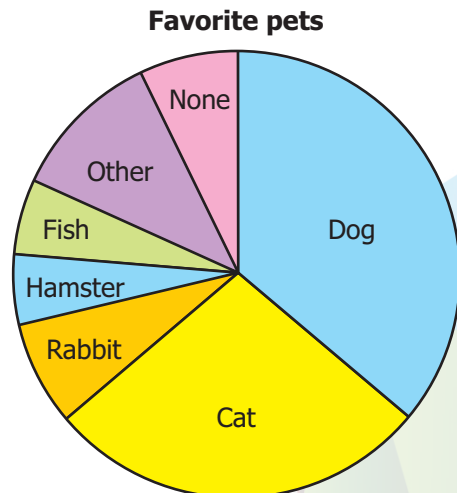
- A** 80 minutes
- B** 90 minutes
- C** 95 minutes
- D** 99 minutes



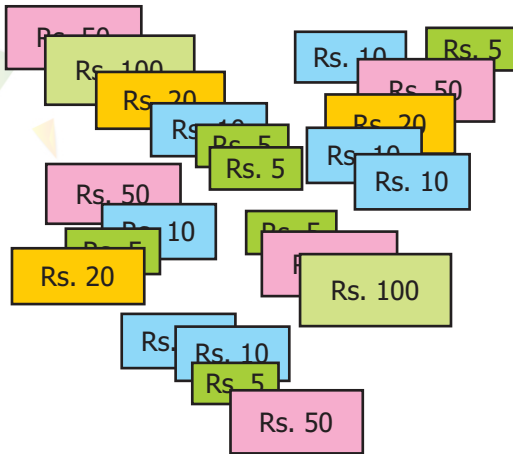
Q2. Sughra did a survey of the favorite pets of the children in her class and drew a pie chart of her result:

Which animal was the favorite of about one third of the class?

- A** Hamster
- B** Rabbit
- C** Cat
- D** Dog



Q3. How many more Rs. 50 notes are there than Rs. 100 notes?



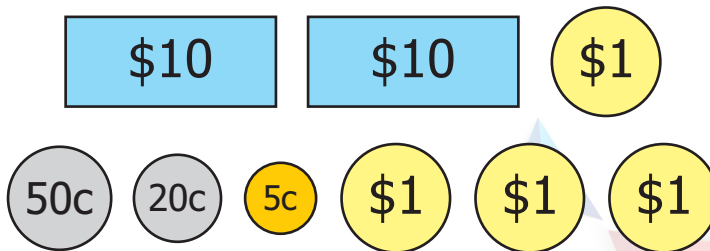
A 2

B 3

C 4

D 5

Q4. Ali went to the supermarket and bought a bag of rice. He paid with a \$50 note and received the following change:



How much did the rice cost?

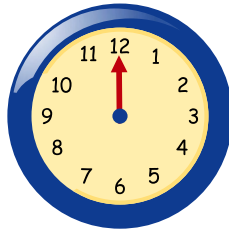
A \$24.25

B \$24.75

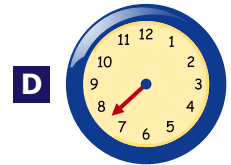
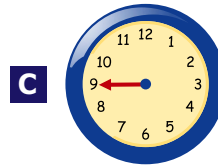
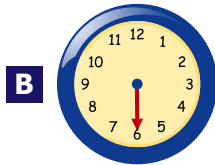
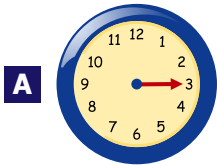
C \$25.15

D \$25.25

Q5. At noon, the minute hand of a clock is in the following position:



What is the position of the minute hand after 17 quarters of an hour?



Q6. Samuel Langhorene Clemens, better known as Mark Twain, was an American author. Clemens was born in November 1835 AD, and died at age 74 in the month of April.

In which year did Clemens die?

A 1900 AD

B 1908 AD

C 1909 AD

D 1910 AD

Q7. 60 cherries are shared equally among seven children. How many cherries do they get each and how many cherries are left over?

A 4 each and 8 left over

C 7 each and 11 left over

B 7 each and 5 left over

D 8 each and 4 left over

Q8. The right estimate for the length of a pencil is _____.

A 1 cm

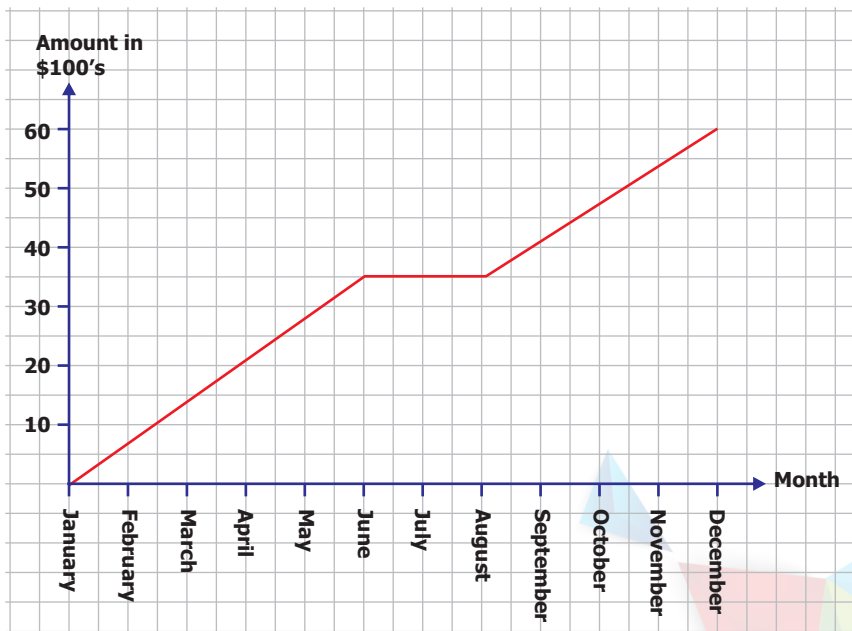
B 2 mm

C 8 cm

D 2 cm

Q9. White River School did fundraising throughout last year to buy some new computers.

The line graph shows the amount raised by the first day of each month. It started with the first day of January at the point 0. The school's target was to raise \$5,000.



During which month did they achieve their target?

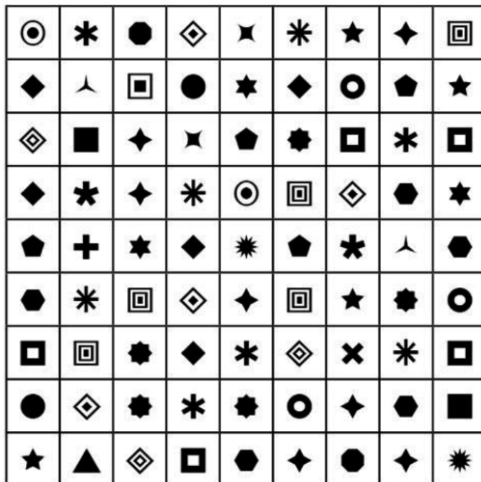
A September

B October

C November

D December

Q10. How many different types of symbols appear in the figure given below?



A 24

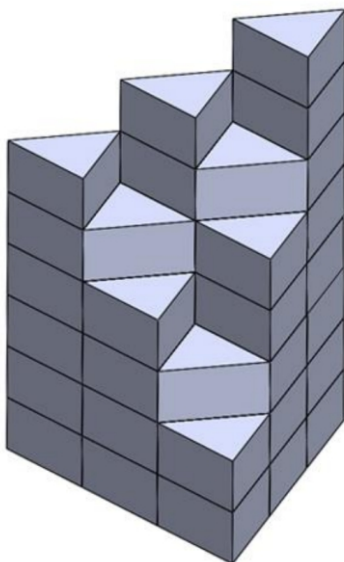
C 26

B 25

D 27



Q11. Count the number of stacked triangular pieces in the image shown below.



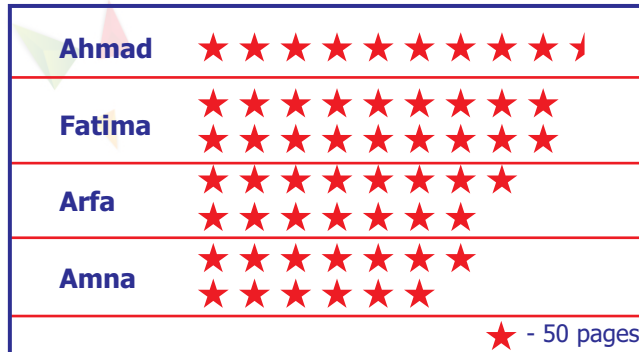
A 44

B 45

C 46

D 47

Q12. Mrs. Alina's class kept track of how many pages they read during the school year. Each star on the pictograph stands for 50 pages.



How many pages did Ahmad read?

A 425

B 450

C 475

D 500



Q13. Ahmed practices a different basketball skill each day, according to this pattern:

Day 1: Shooting goals

Day 2: Dribbling ball

Day 3: Catching rebounds

Day 4: Taking foul shots
and so on.

Day 5: Shooting goals

Day 6: Dribbling ball

Day 7: Catching rebounds

Day 8: Taking foul shots

What skill will he practice on day 21?

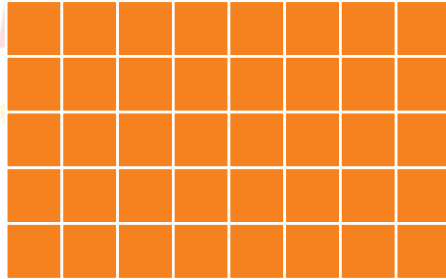
A Shooting goals

B Dribbling ball

C Catching rebounds

D Taking foul shots

- Q14.** Amanda wants to cover the top of her doll's table with colored paper. The top of the table is shown below.



How many square centimeters of paper does Amanda need if each square equals 1 square centimeter?

A 5

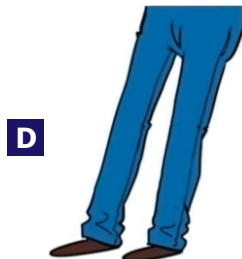
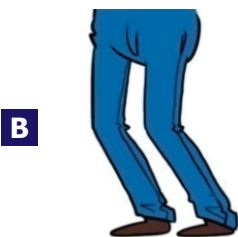
B 8

C 26

D 40



- Q15.** Identify the correct set of legs for Mr. Kumar to balance his body as he carries a heavy box.



Q16. Assume that the English alphabet was redesigned, and the new alphabet had alternating upper case and lower case letters. The alphabet starts with uppercase A, and

- 1) all upper case letters were rotated clockwise by 90 degrees
- 2) all lower case letters were rotated anti-clockwise by 90 degrees

Using the new alphabet, the word "HELP" would be written as:

A

C

B

D



Q17. Samra had 204 stamps in her collection. She bought 47 more stamps. If she gave 38 stamps to her brother, how many stamps does Samra have now?

A 119

B 195

C 213

D 289



Q18. Sughra reads 90 minutes each day for 6 days. Samra reads 60 minutes each day for 8 days. What is the difference, in minutes, between the total amount of time Sughra reads and the total amount of time Samra reads?

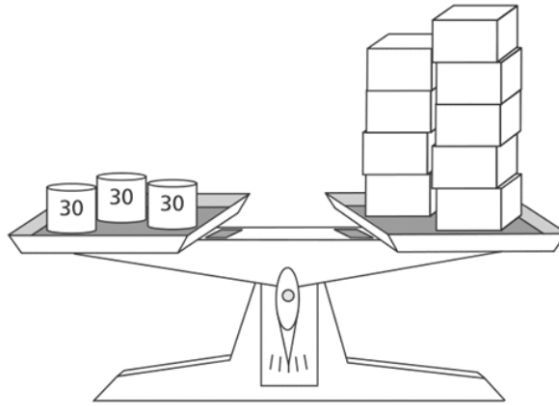
A 30

B 40

C 60

D 80

- Q19.** The picture below shows that 3 cans have the same mass as 9 identical boxes. Each can has a mass of 30 grams.



What is the mass, in grams, of each box?

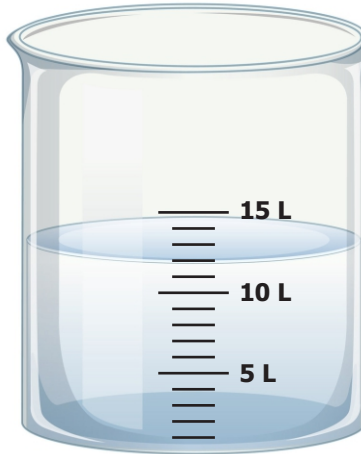
- A** 8 Grams **B** 10 Grams **C** 12 Grams **D** 14 Grams



- Q20.** A group of students played a basketball game after school. Which total can be found using the expression 7×2 ?

- A** the total number of points if a player made 7 shots and each shot was worth 2 points
B the total number of basketballs if 7 basketballs were old and 2 basketballs were new
C the total number of points if one player had 7 points and a different player had 2 points
D the total number of basketballs used if there were 7 basketballs and 2 of the basketballs were not used

Q21. Amna has a bucket of water, as shown below.



Amna wants to pour all of the water equally into 3 bowls for her dogs. How many liters of water should Amna pour into each bowl?

A 4

B 5

C 9

D 15



Q22. The first number in a number pattern is 28. The pattern rule is to add 14 to get the next number in the pattern. If the pattern continues, which statement is true?

A All the numbers in the pattern can be divided equally by 10.

B All the numbers in the pattern can be divided equally by 4.

C All the numbers in the pattern can be divided equally by 8.

D All the numbers in the pattern can be divided equally by 7.

Q23. The blue team scored fewer points than the green team but more points than the gray team. The purple team scored fewer points than the gray team. Which team scored the fewest points?

- A** the blue team **B** the purple team **C** the gray team **D** the green team

Q24. Look at the following schedule:

Train schedule					
Rocky Ravine Town	2:20 A.M.	5:10 A.M.	5:30 A.M.	7:10 A.M.	3:00 P.M.
Magician Village	2:50 A.M.	5:40 A.M.	6:00 A.M.	7:40 A.M.	3:30 P.M.
Skyscraper City	3:45 A.M.	6:35 A.M.	6:55 A.M.	8:35 A.M.	4:25 P.M.
Snowy Mountain	4:35 A.M.	7:25 A.M.	7:45 A.M.	9:25 A.M.	5:15 P.M.
Chickenville	5:10 A.M.	8:00 A.M.	8:20 A.M.	10:00 A.M.	5:50 P.M.
Comfy Pillows Resort	6:10 A.M.	9:00 A.M.	9:20 A.M.	11:00 A.M.	6:50 P.M.
Rollercoaster Land	7:00 A.M.	9:50 A.M.	10:10 A.M.	11:50 A.M.	7:40 P.M.
City of Green Trees	7:40 A.M.	10:30 A.M.	10:50 A.M.	12:30 P.M.	8:20 P.M.

Tony just missed the 9:20 A.M. train at Comfy Pillows Resort. What time is the next train?

- A** 11:00 A.M. **B** 3:30 P.M. **C** 9:20 A.M. **D** 6:35 A.M.

Q25. If A is substituted by 4, B by 3, C by 2, D by 4, E by 3, F by 2 and so on, then what will be total of the numerical values of the letters of the word SICK?

- A** 11 **B** 12 **C** 10 **D** 9

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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 PUBLICSCHOOL
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
AMINA 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
KHADJIA HASNAIN	HASNAIN QADRI	6	LAHORE GRAMMAR SCHOOL
MERAL AZMAT	AZMAT KHAN	7	BEACONHOUSE SCHOOL SYSTEM
AMINA NOOR	MUHAMMAD JAHANGIR	8	FALUJ 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