



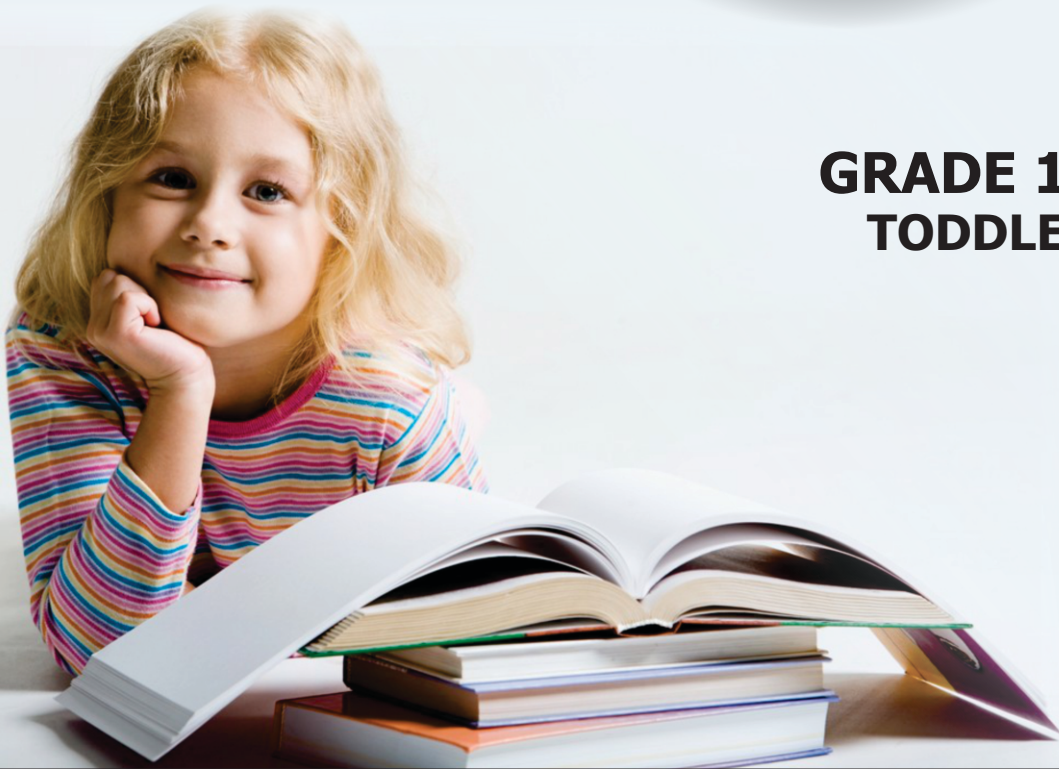
# INTERNATIONAL CATS CONTESTS

COMPETENCE & APTITUDE TESTING SERVICES



## ICATS MATHEMATICS CONTEST 2018

**GRADE 1 & 2  
TODDLERS**



# ICATS MATHEMATICS CONTEST 2018 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](http://WWW.CATSCONTESTS.ORG)
15. ANY ACADEMIC MISCONDUCT OR MALPRACTICE MUST BE REPORTED TO INTERNATIONAL CATS CONTESTS AT [INFO@CATSCONTESTS.ORG](mailto: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**  $\square = 6 + 8 + 20$

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**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

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**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

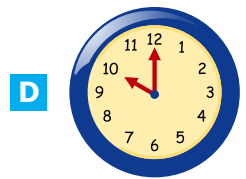
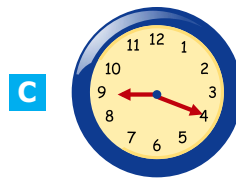
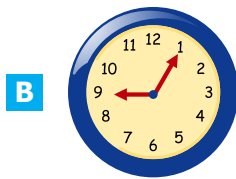
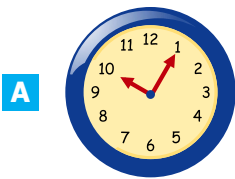
**D** 5

- 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?



- 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?

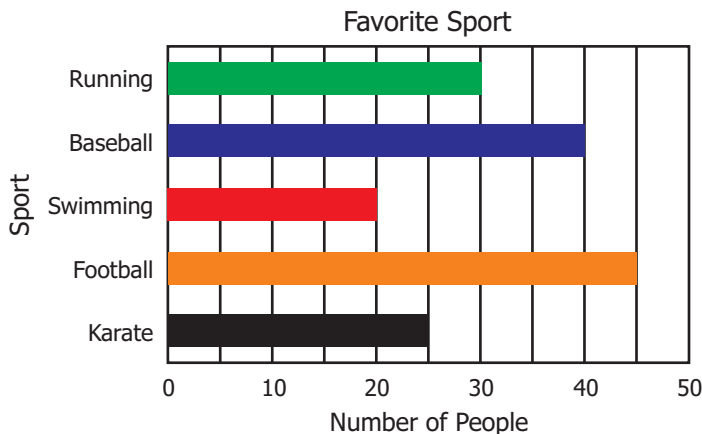
**A** It is odd, because the digit in the tens place is odd.

**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.



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

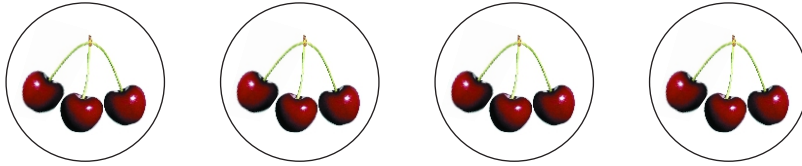
**A** 15

**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**  $4 \times 3$

**C**  $3 \times 3 \times 3 \times 3$

**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.

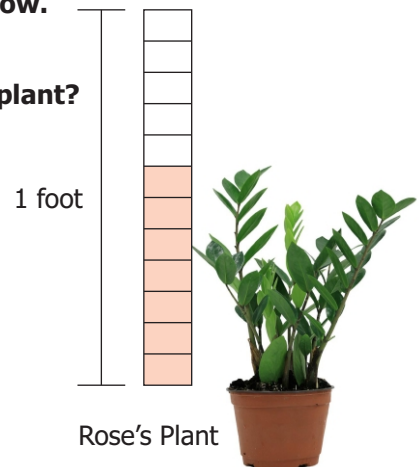
What fraction of a foot is the height of Rose's plant?

**A**  $5/7$

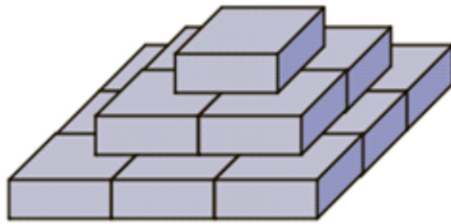
**B**  $7/5$

**C**  $5/12$

**D**  $7/12$



**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**

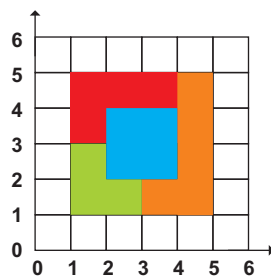
**A** 3

**B** 1

**C** 2

**D** 4

**Q14.** Which part of the shape is the smallest?



**A** Orange

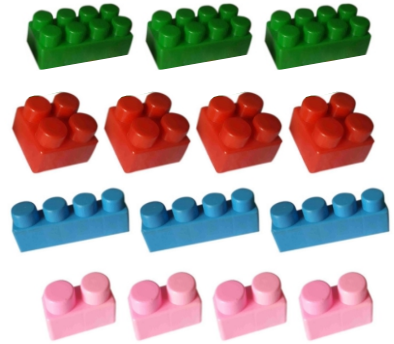
**B** Red

**C** Green

**D** Blue

**Q15.** Which set of bricks is less heavier?

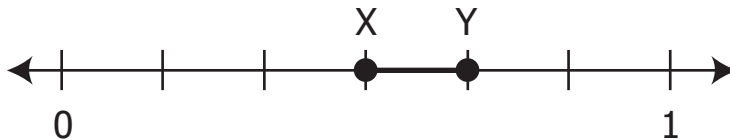
- A** Pink
- B** Red
- C** Green
- D** Blue



**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**

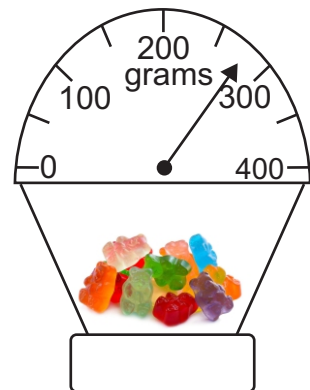
Age	Weight (pounds)
birth	7
1 month	9
2 months	11
3 months	13
4 months	15

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