



PRIMARY 2 (GRADE 2) 2021 CONTEST PAPER

NAME: _____

Index Number: _____

SCHOOL: _____

INSTRUCTIONS:

1. Please **DO NOT OPEN** the contest booklet until the Proctor has given permission to start
2. TIME: **1 hour 30 minutes**.
3. There are 25 questions with 100 total points:
Section A: Questions 1 to 15 score 3 points each, no points are deducted for an unanswered or wrong answer.
Section B: Questions 16 to 25 score 5 points each, no points are deducted for an unanswered or wrong answer.
Section C: Questions 21 to 25 score 6 points each, no points are deducted for an unanswered or wrong answer.
4. Shade your answers neatly using a **2B lead pencil** in the Answer Entry Sheet.
5. PROCTORING: No one may help any student in any way during the contest.
6. No electronic devices capable of storing and displaying visual information are allowed during the course of the exam. Strictly **No Calculators** are allowed.
7. All students must write and shade their **Name, School and Index Number** in the Answer Entry Sheet and Contest booklet.
8. MINIMUM TIME: Students must stay in the exam hall for at least 1 hour.
9. A student must show detailed working and transfer answers to the Answer Entry Sheet.
10. **No exam papers and written notes can be taken out by any contestant.**



ROUGH WORKING

Section A: 15 Multiple Choice Questions

3 points each

Question 1

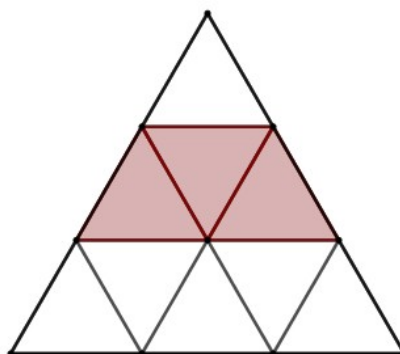
Tom had 60 fish crackers. He ate one half of them and then gave 10 to his best friend. How many fish crackers does Tom have now?



- A. 25
- B. 22
- C. 20
- D. 18
- E. 15

Question 2

A big triangular cake sells for 18 dollars as a whole. It is divided into small triangles of the same size. Carla buys the shaded parts. How much money should Carla pay?

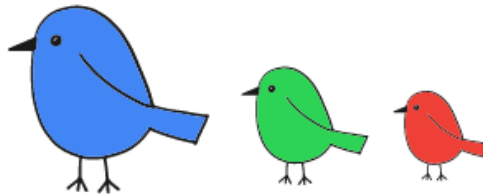


- A. 4 dollars
- B. 6 dollars
- C. 8 dollars
- D. 10 dollars

E. 12 dollars

Question 3

Mary has three markers: blue, green, and red. She is coloring three different birds. Each bird will have a different color than the others. In how many ways can Mary color the birds?



- A. 10
- B. 8
- C. 6
- D. 4
- E. 5

Question 4

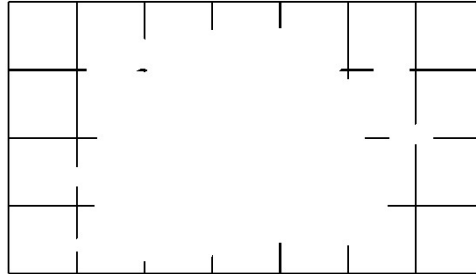
What is the sum of the largest and the smallest numbers from the following group of numbers?

305, 530, 503, 725, 752, 527

- A. 1033
- B. 1030
- C. 1057
- D. 832
- E. 1477

Question 5

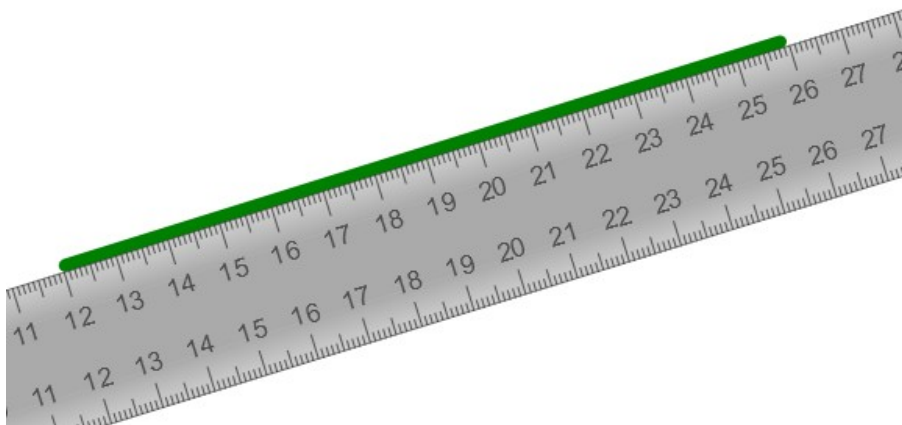
A rectangle was divided into small squares. Over time, some of the lines within the rectangle lost their ink marks. How many small squares were there when the drawing was new?



- A. 35
- B. 21
- C. 18
- D. 40
- E. 28

Question 6

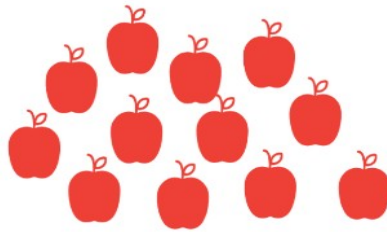
Taylor has a broken ruler with centimeter marks. To get the length of a stick, she placed the stick on the ruler, as shown in the picture. What is the length of the stick in centimeters?



- A. 24 cm
- B. 14 cm
- C. 18 cm
- D. 38 cm
- E. 32 cm

Question 7

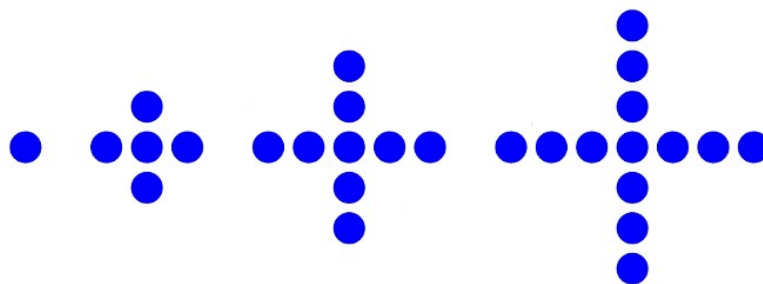
Anne had 12 apples. She was selling them for two dollars each for a school event. At the end of the day, she had one third of the apples left. How much money should she have after selling her apples?



- A. 8 dollars
- B. 10 dollars
- C. 12 dollars
- D. 16 dollars
- E. 18 dollars

Question 8

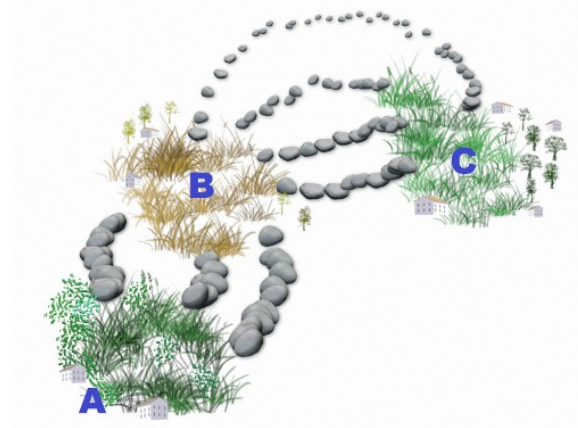
In the picture below, there are some marble shapes from the left to the right. The first has one marble. The second has five marbles. If the pattern goes on, how many marbles are there in the next shape?



- A. 12
- B. 15
- C. 16
- D. 17
- E. 21

Question 9

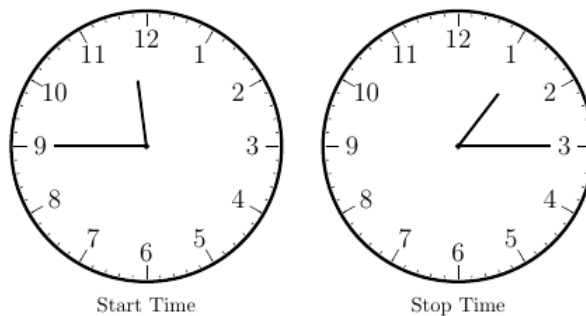
A playground has three play areas, A, B, and C. From A to B, there are three pebble paths. From B to C, there are four pebble paths. In how many different ways can you go from A to C?



- A. 7
- B. 10
- C. 12
- D. 34
- E. 43

Question 10

On a Saturday, Maria started reading at 11:45 in the morning and stopped at 1:15 in the afternoon. How long did Maria read?



- A. One hour and five minutes
- B. One hour and fifteen minutes
- C. One hour and thirty minutes
- D. Two hours
- E. Two hours and forty-five minutes

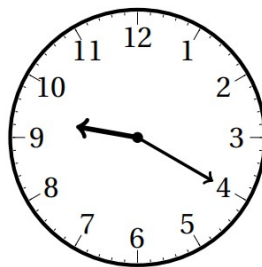
Question 11

Pencils are 50 cents each. Erasers are 40 cents each. Alice had five dollars. She bought three pencils and two erasers. How much money does she have left?

- A. 230 cents
- B. 300 cents
- C. 270 cents
- D. 245 cents
- E. 156 cents

Question 12

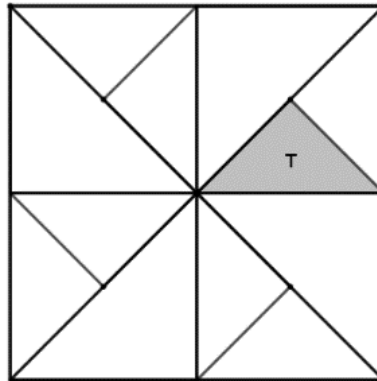
Megan started reading at 9:20 in the morning. After 45 minutes, she stopped reading and went for a walk. At what time did Megan stop reading?



- A. 9:45
- B. 10:05
- C. 10:15
- D. 10:20
- E. 11:00

Question 13

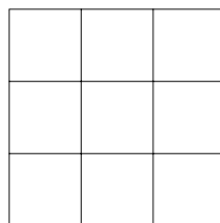
In the picture below, a big square is divided into pieces. A small shaded triangle has T on it. How many shaded triangles does it take to cover the whole big square?



- A. 6
- B. 8
- C. 10
- D. 12
- E. 16

Question 14

In the picture below, there are squares of many sizes. How many squares are there if we count all of them?



- A. 12
- B. 13
- C. 14
- D. 15
- E. 16

Question 15

In the picture below, all the numbers 1, 2, 3, 4, 5, 6, 7, 8, 9 are written in a square. Three numbers are covered by , , and . If you add up the numbers on each row, you get the same sum. What is the value of the number covered by B?

6	1	<i>A</i>
7	<i>B</i>	3
<i>C</i>	9	4

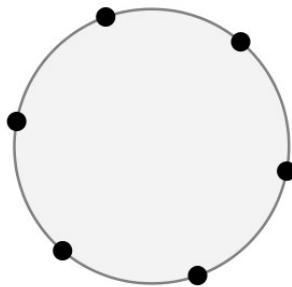
- A. 2
- B. 5
- C. 6
- D. 7
- E. 8

Section B: 5 Open-Ended Questions

5 points each

Question 16

There are six dots on a circle. Lily wants to draw some lines to connect all of them. Between any two dots, there should be a line. How many lines does Lily need to draw in total?



Your Answer:

Question 17

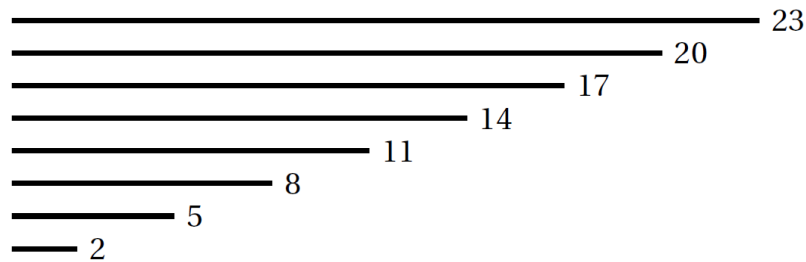
Katie and Matt are making paper snowflakes for a party. Katie can make 12 snowflakes in an hour. Matt can make 18 snowflakes in an hour. If they work together, how many hours does it take for them to make 120 snowflakes?



Your Answer:

Question 18

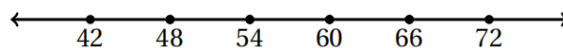
Sam has eight sticks. Their lengths are 2, 5, 8, 11, 14, 17, 20, 23 inches. Sam connects all of them from end to end for a loop. How long is the loop in inches?



Your Answer:

Question 19

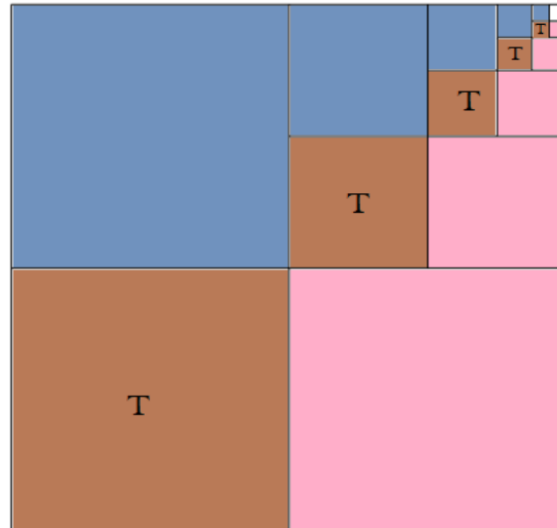
On the number line below, a few numbers are shown. There is a number hidden on the line that is at the same distance from 42 and 72. What is the value of that number?



Your Answer:

Question 20

A square piece of chocolate costs 24 dollars. It is divided into squares, as shown in the picture. Todd eats all the squares with the letter T on them. The square pieces get smaller and smaller. But Todd eats them all. Todd wants to be fair and share the cost. How many dollars should Todd pay?



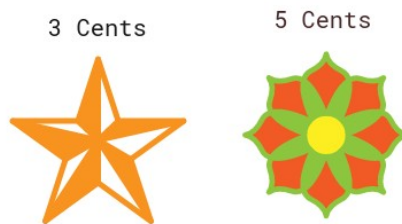
Your Answer:

Section C: 5 Open-Ended Questions

6 points each

Question 21

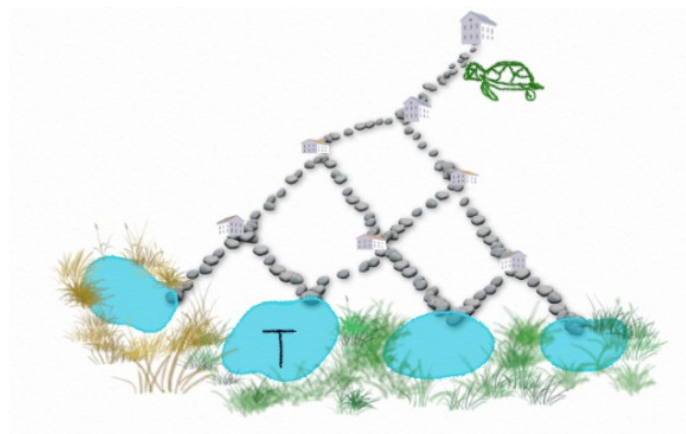
Trina has 37 cents. She wants to spend all the money and buy as many stickers as possible. There are two stickers she can buy. The star is 3 cents each; the flower is 5 cents each. How many stars should she buy?



Your Answer:

Question 22

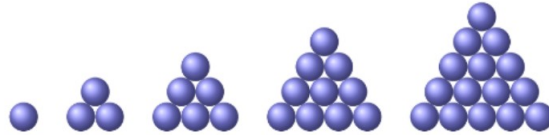
Every morning, Turtle Tim walks to one of the four ponds near his home for water and food. In how many different ways can Tim walk to Pond T?



Your Answer:

Question 23

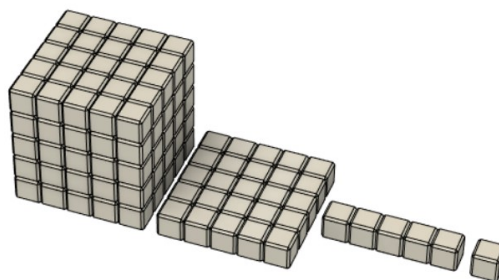
Marbles are used to make triangular shapes in the following picture. The first shape has one marble. The second shape has three marbles. The third shape has six marbles. How many marbles are there in the sixth shape?



Your Answer:

Question 24

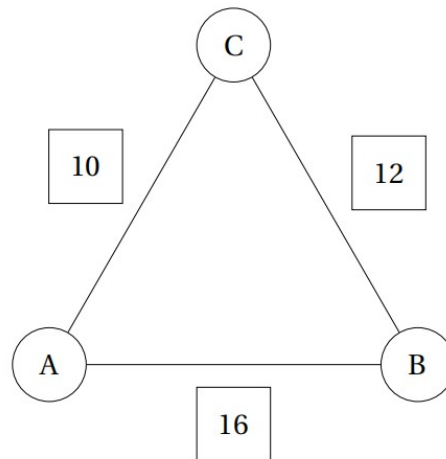
In the picture below, a large number of small cubes are put together into a big cube, a square, a stick, and one on its own. There is no empty space in the big cube. How many little cubes are there in total?



Your Answer:

Question 25

In the picture below, three numbers , , are placed at the corners of the triangle. Each square has the sum of the two numbers in the nearby circles. For example, . What is the value of ?



Your Answer:
