

SMETA MATHEMATICS OLYMPIAD**Question Paper — Grade 1-2**

Total Questions: 25 · Time: 60 minutes · Max Marks: 100

Instructions:

Read each question carefully. Each question has four options (A, B, C, D). Choose only one correct answer. Use a pencil or a blue/black pen. No calculators are allowed. All the best!

1. Lucas is lining up his toy cars and counting them: 5, 6, 7, __. Look at the number line below. What number comes next?



- A) 8
- C) 10

- B) 9
- D) 11

2. Sofia picked 15 flowers from the garden and her sister Isabela picked 12 flowers. Who picked more flowers?

- A) Sofia, because 15 is greater
- C) They picked the same amount

- B) Isabela, because 12 is greater
- D) Cannot tell

3. Gabriel drew a shape with exactly 3 straight sides. Look at the shapes below. Which one did he draw?



- A) Square
- C) Circle

- B) Triangle
- D) Rectangle

4. Beatriz had 4 mangoes in her basket. Her mother gave her 3 more. How many mangoes does Beatriz have now?

- A) 6
- C) 8

- B) 7
- D) 9

5. André is taller than his sister Renata. Renata is taller than their brother Diego. Who is the shortest of the three?

- A) André
- C) Diego

- B) Renata
- D) Cannot tell

6. There were 9 birds sitting on a tree. 4 birds flew away. How many birds are left on the tree?

- A) 3
- B) 4
- C) 5
- D) 6

7. Pedro kicked a football during PE class. Look at the shapes below. Which shape matches the ball he kicked?



- A) Cube
- B) Square
- C) Triangle
- D) Sphere

8. Larissa pasted stars on her art chart, as shown below. How many stars did she paste in total?



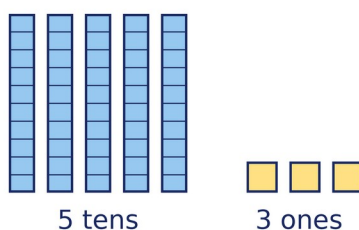
- A) 2
- B) 3
- C) 4
- D) 5

9. Look at the row of shapes below. If the pattern continues, which shape should come next in place of the '??'?



- A) A triangle
- B) A square
- C) A circle
- D) A star

10. Camila has 53 stickers, shown below using blocks of ten and single stickers. What does the digit 5 in '53' stand for?



- A) 5 ones
- B) 5 tens
- C) 5 hundreds
- D) It has no value

11. A shopkeeper packs oranges in boxes of 5. The number line below shows how many oranges he has packed so far. How many oranges will he have after packing one more box?



- A) 20
- C) 22

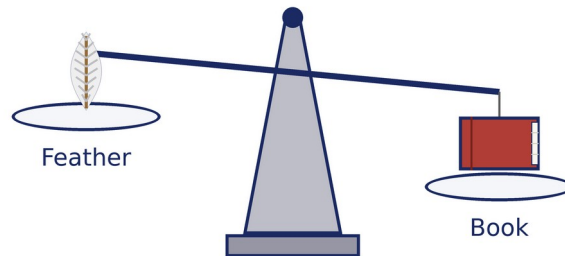
- B) 21
- D) 23

12. Thiago collected 12 seashells on Monday and 8 more seashells on Tuesday. How many seashells does he have altogether?

- A) 19
- C) 21

- B) 20
- D) 22

13. Look at the balance scale below, showing a feather on one side and a book on the other. Which one is heavier?



- A) The feather
- C) The book

- B) They weigh the same
- D) Cannot tell

14. Maria looked at the clock on the wall, shown below, when she woke up. What time does the clock show?



- A) 3 o'clock
- C) 9 o'clock

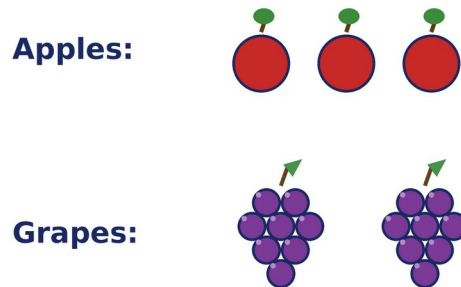
- B) 6 o'clock
- D) 12 o'clock

15. Mateus's picture frame is shaped like the figure below. How many sides does his picture frame have?



- A) 2
C) 4
- B) 3
D) 5

16. The pictograph below shows the fruits in Juliana's basket, where each picture stands for 1 fruit. How many more apples does she have than grapes?



Each picture = 1 fruit

- A) 1
C) 3
- B) 2
D) 4

17. A class has 15 students, and the teacher wants to pair them up. One student will always be left without a partner. Which of these numbers would also leave one student without a partner?

- A) 14
C) 20
- B) 17
D) 22

18. Fernanda had 20 rupees. She spent 12 rupees on a notebook. How much money does she have left?

- A) 6
C) 8
- B) 7
D) 9

19. A gardener plants trees along a path following the pattern shown on the number line below. Which number is missing?



- A) 9
- C) 11

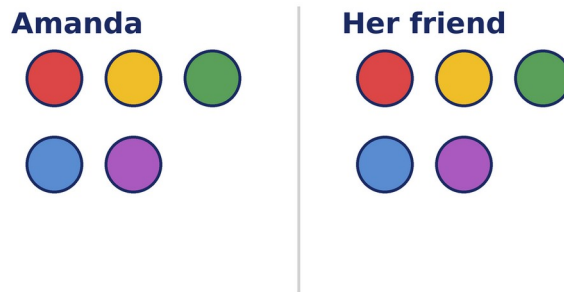
- B) 10
- D) 12

20. Gustavo has a red ribbon that is 12 cm long and a blue ribbon that is 7 cm long. How much longer is the red ribbon than the blue ribbon?

- A) 5 cm
- C) 7 cm

- B) 6 cm
- D) 8 cm

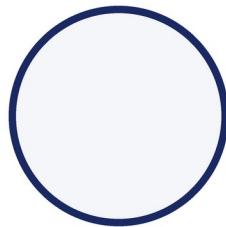
21. Amanda has 10 sweets and wants to share them equally between herself and her friend, as shown below. How many sweets will each of them get?



- A) 4
- C) 6

- B) 5
- D) 7

22. Bruno is looking at the shape below and says, "This shape has no straight sides and no corners at all." Which shape is he looking at?



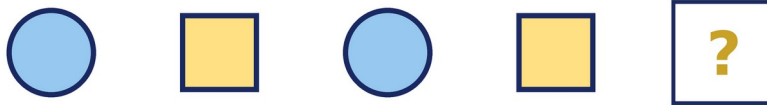
- A) Square
- C) Rectangle

- B) Triangle
- D) Circle

23. Vitoria has 14 pencils in her pencil box. She gives 5 pencils to her friend Patricia. How many pencils does Vitoria have left?

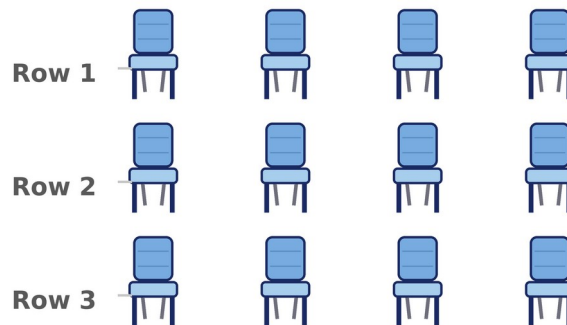
- A) 7
- B) 8
- C) 9
- D) 10

24. Look at the row of shapes below. If the pattern continues, which shape comes next in place of the '??'?



- A) A triangle
- B) A square
- C) A circle
- D) A star

25. In the school hall, chairs are arranged as shown below: 3 rows with 4 chairs in each row. How many chairs are there in total?



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

Answer Key

SMETA Mathematics Olympiad · Grade 1-2

1. A	2. A	3. B	4. B	5. C
6. C	7. D	8. D	9. A	10. B
11. A	12. B	13. C	14. D	15. C
16. A	17. B	18. C	19. D	20. A
21. B	22. D	23. C	24. C	25. D

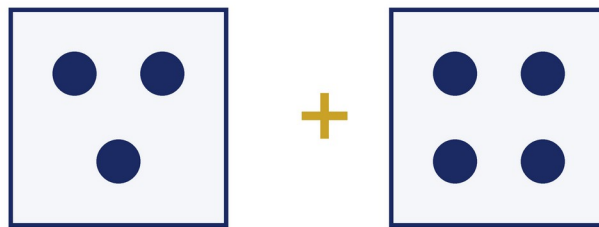
SMETA MATHEMATICS OLYMPIAD**Question Paper — Grade 1-2**

Total Questions: 25 · Time: 60 minutes · Max Marks: 100

Instructions:

Read each question carefully. Each question has four options (A, B, C, D). Choose only one correct answer. Use a pencil or a blue/black pen. No calculators are allowed. All the best!

1. Look at the two dot cards below. What is the sum when you add the dots on both cards together?



A) 7

B) 8

C) 9

D) 10

2. Which symbol correctly compares these two numbers? 12 ___ 9

A) <

B) >

C) =

D) +

3. I have 4 equal sides and 4 corners, and all my sides are the same length. Which shape am I?

A) Circle

B) Triangle

C) Rectangle

D) Square

4. Look at the row of animals below. Counting from the left, which position is the cat in?



A) 1st

B) 2nd

C) 3rd

D) 4th

5. Count backward: 10, 9, 8, ___?

A) 6

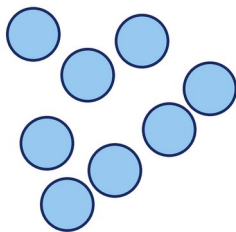
B) 7

C) 8

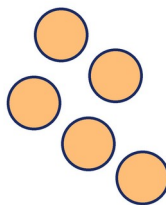
D) 9

6. Look at the two groups of circles below. Which group has more circles?

Group A



Group B



- A) Group A
- C) They are equal

- B) Group B
- D) Cannot tell

7. $5 + \underline{\quad} = 9$. What number goes in the blank?

- A) 2
- C) 4

- B) 3
- D) 6

8. Look at the clock below. It is 4 o'clock now. What time will it be in 3 hours?



- A) 4 o'clock
- C) 6 o'clock

- B) 5 o'clock
- D) 7 o'clock

9. Look at the coins below. Each coin is worth 2. How much money is there in total?



- A) 7
- C) 9

- B) 8
- D) 10

10. A clock's face and a coin are both shaped like a ____.

- A) Circle B) Square
C) Triangle D) Rectangle

11. Look at the row of shapes below. Which shape does not belong with the others?



- A) The 1st shape B) The 2nd shape
C) The 3rd shape D) The 4th shape

12. The table below shows the pets in Ana's class. How many more dogs are there than cats?

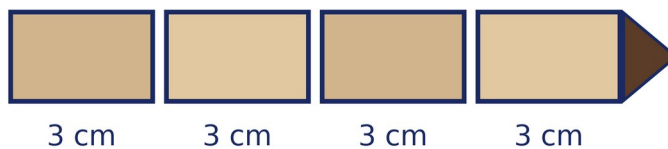
Pet	Number of pets
Dogs	5
Cats	3
Birds	2

- A) 2 B) 3
C) 4 D) 5

13. Sofia has 6 candies. How many more candies does she need to have 10 candies in total?

- A) 3 B) 4
C) 5 D) 6

14. A pencil is made of equal blocks, as shown below. Each block is 3 cm long. How long is the whole pencil?



- A) 10 cm B) 11 cm
C) 12 cm D) 14 cm

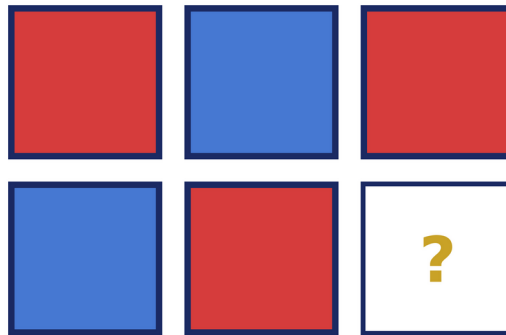
15. The 8 balls below are arranged in pairs. How many groups of 2 are there?



- A) 1
- C) 3

- B) 2
- D) 4

16. Look at the pattern of colored squares below. Which color completes the missing square?



- A) Red
- C) Green

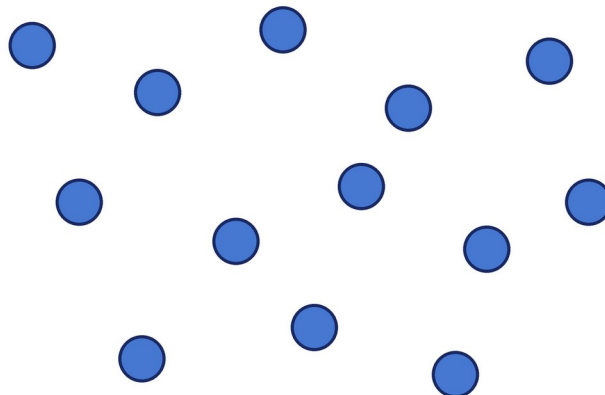
- B) Blue
- D) Yellow

17. Which numeral matches the number word 'fourteen'?

- A) 4
- C) 40

- B) 14
- D) 41

18. Count the dots scattered in the picture below. How many dots are there in total?



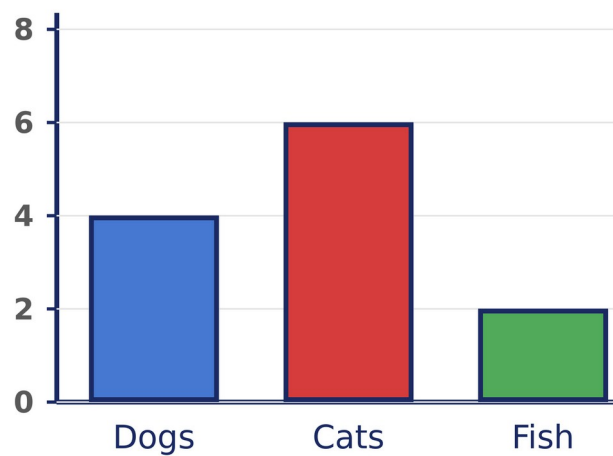
A) 13

B) 14

C) 15

D) 16

19. The bar graph below shows the number of pets in Ana's class. How many dogs are there?



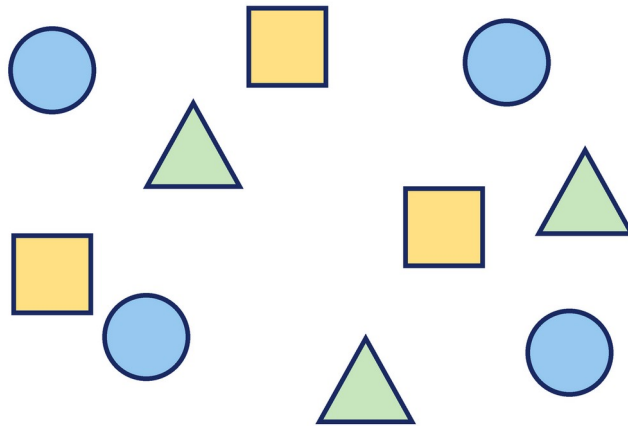
A) 1

B) 2

C) 3

D) 4

20. Look at the picture below. How many circles are there in total?



- A) 2
- C) 4

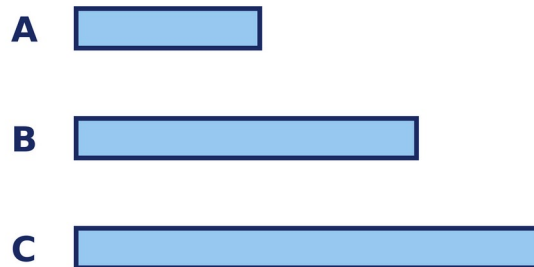
- B) 3
- D) 6

21. Which of these is heavier in real life?

- A) A feather
- C) A watermelon

- B) A pencil
- D) A leaf

22. Look at the three ribbons below, labeled A, B, and C. Which ribbon is the shortest?



- A) Ribbon A
- C) Ribbon C

- B) Ribbon B
- D) They are equal

23. Look at the pattern below: 1 star, 2 stars, 3 stars, ___ stars. How many stars belong in the last group?



- A) 1
- C) 3

- B) 2
- D) 4

24. Pedro says: 'I have 5 marbles.' Ana says: 'I have 3 more marbles than you.' How many marbles does Ana have?

- A) 6
- C) 8

- B) 7
- D) 9

25. Look at the two rows of shapes below. How many more triangles are in Row 1 than in Row 2?

Row 1:



Row 2:



- A) 1
- C) 3

- B) 2
- D) 4

Answer Key

SMETA Mathematics Olympiad · Grade 1-2

1. A	2. B	3. D	4. C	5. B
6. A	7. C	8. D	9. D	10. A
11. C	12. A	13. B	14. C	15. D
16. B	17. B	18. A	19. D	20. C
21. C	22. A	23. D	24. C	25. A

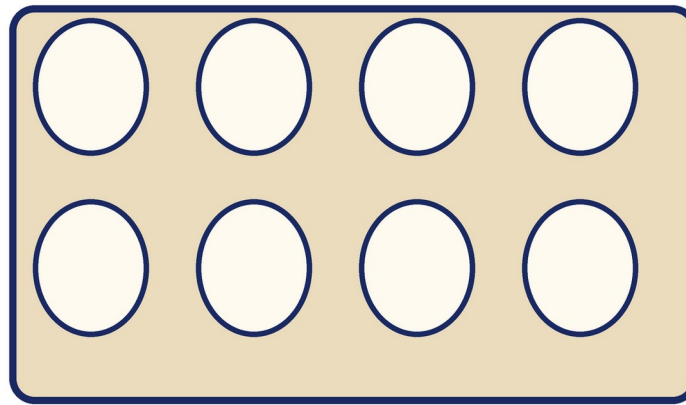
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Instructions:

Read each question carefully. Each question has four options (A, B, C, D). Choose only one correct answer. Use a pencil or a blue/black pen. No calculators are allowed. All the best!

1. Look at the egg carton below. How many eggs are there in total?



- A) 6
- C) 8

- B) 7
- D) 9

2. Rafael scored 47 points in a game and his friend Diego scored 39 points. Who scored more points?

- A) Rafael, because 47 is greater
- C) They scored the same

- B) Diego, because 39 is greater
- D) Cannot tell

3. I have one curved side and no straight edges or corners. Which shape am I?

- A) Square
- C) Rectangle

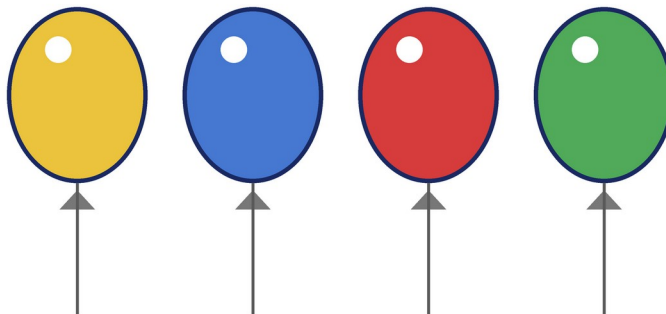
- B) Triangle
- D) Circle

4. Lucas says: 'I picked 7 apples.' Marina says: 'I picked 5 more apples than you.' How many apples did Marina pick?

- A) 11
- C) 13

- B) 12
- D) 14

5. Look at the row of balloons below. Counting from the left, which position is the red balloon in?



- A) 1st
- C) 3rd

- B) 2nd
- D) 4th

6. There were 18 birds sitting on a wire. 6 of them flew away. How many birds are left on the wire?

- A) 12
- C) 14

- B) 13
- D) 15

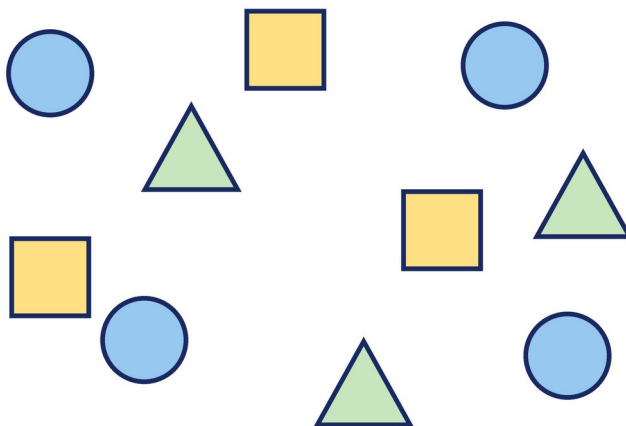
7. Look at the pattern on the number line below: 2, 5, 8, __, 14. Which number is missing?



- A) 8
- C) 10

- B) 9
- D) 11

8. Look at the picture below. How many squares are there in total?



- A) 2
- C) 4

- B) 3
- D) 5

9. $12 - \underline{\quad} = 5$. What number goes in the blank?

- A) 5
B) 6
C) 7
D) 8

10. Look at the clock below. It shows 6 o'clock. What time will it be in 3 hours?



- A) 9 o'clock
B) 10 o'clock
C) 11 o'clock
D) 12 o'clock

11. The table below shows how many books three children read. How many more books did Sara read than Leo?

Child	Books read
Ana	6
Leo	4
Sara	9

- A) 2
B) 3
C) 4
D) 5

12. Which of these is lighter in real life?

- A) A car
B) A pillow
C) An elephant
D) A brick

13. Look at the coins below. How much money is there in total?



- A) 14
- C) 16

- B) 15
- D) 17

14. Camila has 15 pencils and wants to share them equally among 5 friends. How many pencils will each friend get?

- A) 0
- C) 2

- B) 1
- D) 3

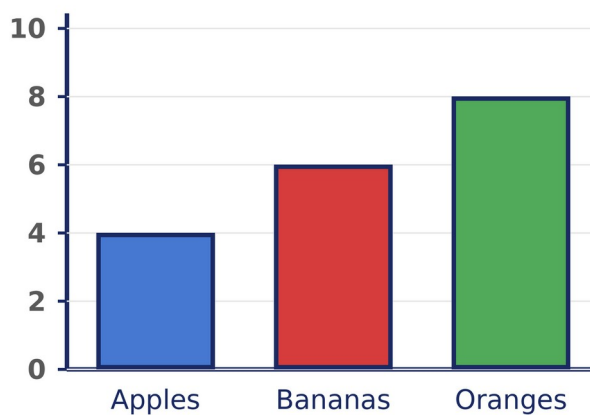
15. Look at the pattern on the number line below: 10, 20, 30, __, 50. Which number is missing?



- A) 10
- C) 30

- B) 20
- D) 40

16. The bar graph below shows fruits sold at a stall. How many bananas were sold?



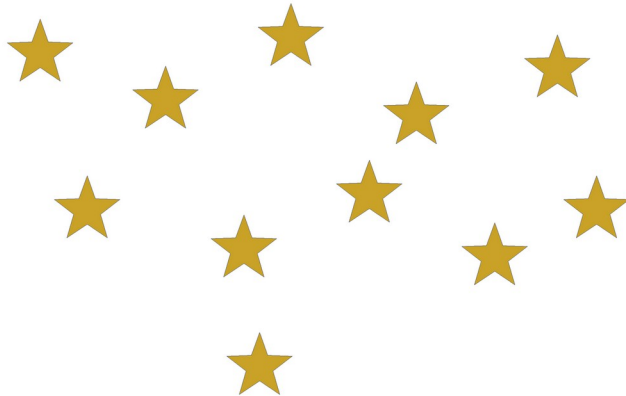
- A) 4
- C) 8

- B) 6
- D) 10

17. Look at these numbers: 9, 12, 10, 15. Which number does not belong with the others?

- A) 9
B) 12
C) 10
D) 15

18. Count the stars scattered in the picture below. How many stars are there in total?



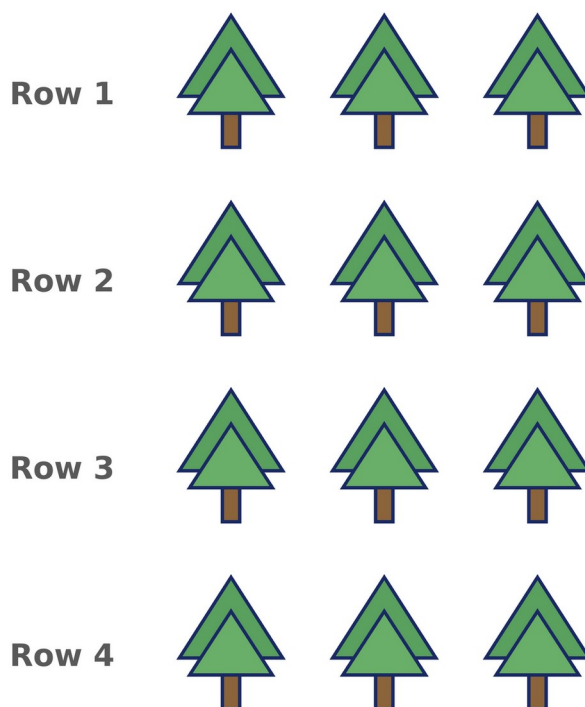
- A) 11
B) 12
C) 13
D) 14

19. Look at the three pencils below, labeled A, B, and C. Which pencil is the longest?



- A) Pencil A
B) Pencil B
C) Pencil C
D) They are equal

20. Trees are planted in rows, as shown below: 4 rows with 3 trees in each row. How many trees are there in total?



- A) 11
- C) 13

- B) 12
- D) 14

21. Which of these usually takes longer in real life?

- A) Blinking your eyes
- C) Growing a tree

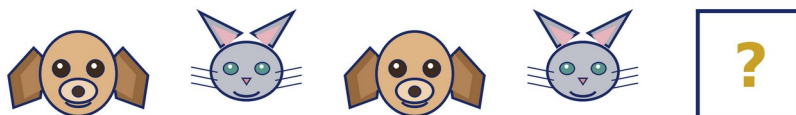
- B) Tying your shoes
- D) Eating a snack

22. Isabela had 30 reais. She spent 18 reais on a toy. How much money does she have left?

- A) 12
- C) 14

- B) 13
- D) 15

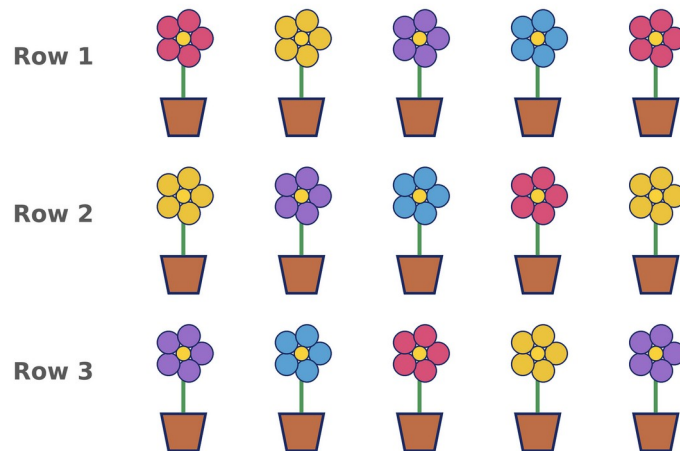
23. Look at the pattern below: dog, cat, dog, cat, __. Which animal comes next?



- A) A cat
- C) A fish

- B) A bird
- D) A dog

24. Flowerpots are arranged in rows, as shown below: 3 rows with 5 flowerpots in each row. How many flowerpots are there in total?



- A) 14
C) 16

- B) 15
D) 17

25. Bruno has 3 bags of marbles. Each bag has 4 marbles. He gives away 5 marbles. How many marbles does he have left?

- A) 5
C) 7

- B) 6
D) 8

Answer Key

SMETA Mathematics Olympiad · Grade 1-2

1. C	2. A	3. D	4. B	5. C
6. A	7. D	8. B	9. C	10. A
11. D	12. B	13. C	14. D	15. D
16. B	17. C	18. A	19. A	20. B
21. C	22. A	23. D	24. B	25. C

SMETA MATHEMATICS OLYMPIAD

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Instructions:

Read each question carefully. Each question has four options (A, B, C, D). Choose only one correct answer. Use a pencil or a blue/black pen. No calculators are allowed. All the best!

1. Which symbol correctly compares these two numbers? 23 ___ 31

- A) > B) <
C) = D) +

2. Look at the pattern on the number line below: 15, 14, 13, __. What number comes next?



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

3. I have 4 sides, opposite sides equal, and 4 right angles, but not all my sides are the same length. Which shape am I?

- A) Rectangle
B) Square
C) Circle
D) Triangle

4. Maria says: 'I have 9 crayons.' Diego says: 'I have 6 more crayons than you.' How many crayons does Diego have?

- A) 13
B) 14
C) 15
D) 16

5. Look at the dots below. What is $3 + 3 + 3 + 3$?



- A) 11
B) 12
C) 13
D) 14

6. The table below shows the pets in a shelter. How many pets are there in total?

Pet	Number of pets
Dogs	5
Cats	7
Fish	3

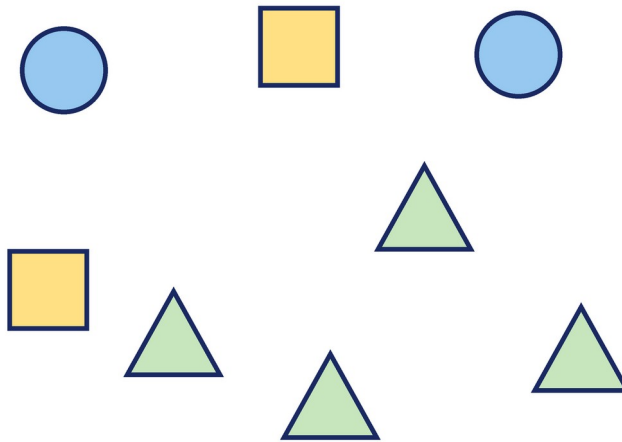
A) 12

B) 13

C) 14

D) 15

7. Look at the picture below. How many triangles are there in total?



A) 4

B) 5

C) 6

D) 7

8. 20 stickers are shared equally among 4 friends. How many stickers does each friend get?

A) 3

B) 4

C) 5

D) 6

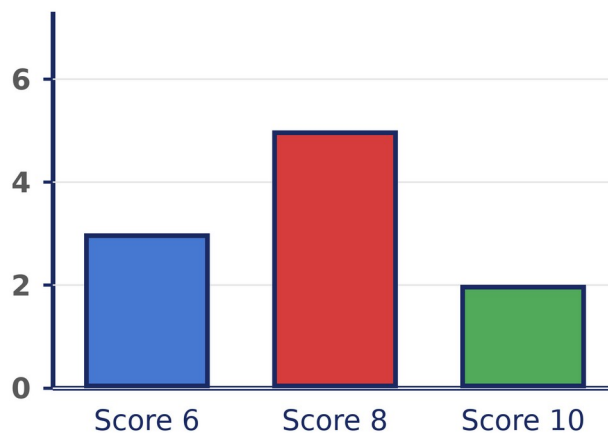
9. Look at the clock below. It shows 2 o'clock. What time was it 1 hour before?



- A) 1 o'clock
- C) 3 o'clock

- B) 2 o'clock
- D) 4 o'clock

10. The bar graph below shows how many students got each score on a quiz. How many students scored 8?



- A) 2
- C) 4

- B) 3
- D) 5

11. Which of these is more likely to float in water?

- A) A rock
- C) A coin

- B) A leaf
- D) A brick

12. Three of these shapes are the same kind, but one is different. Which shape is the odd one out?



- A) The 1st shape
- C) The 3rd shape

- B) The 2nd shape
- D) The 4th shape

13. In real life, which of these weighs the most?

- A) A single pencil
- C) A feather

- B) A schoolbag full of books
- D) A sheet of paper

14. Look at the pattern on the number line below: 6, 12, 18, __, 30. Which number is missing?



- A) 18
- C) 22

- B) 20
- D) 24

15. Look at the coins below. Each coin is worth 3. How much money is there in total?



- A) 21
- C) 23

- B) 22
- D) 24

16. Gabriel had 26 marbles. He lost 9 of them. How many marbles does he have left?

- A) 15
- C) 17

- B) 16
- D) 18

17. Look at the row of shapes below. Counting from the left, which position is the star in?



- A) 1st
- C) 3rd

- B) 2nd
- D) 4th

18. I am a number between 10 and 20. I am odd. I am a multiple of 5. What number am I?

- A) 9
- C) 13

- B) 11
- D) 15

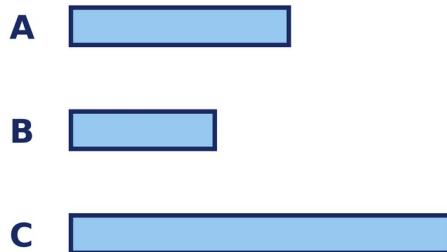
19. Look at the pattern below: triangle, triangle, square, triangle, triangle, square, __. Which shape comes next?



- A) A triangle
- C) A circle

- B) A square
- D) A star

20. Look at the three towers below, labeled A, B, and C. Which tower is the tallest?



- A) Tower A
- C) Tower C

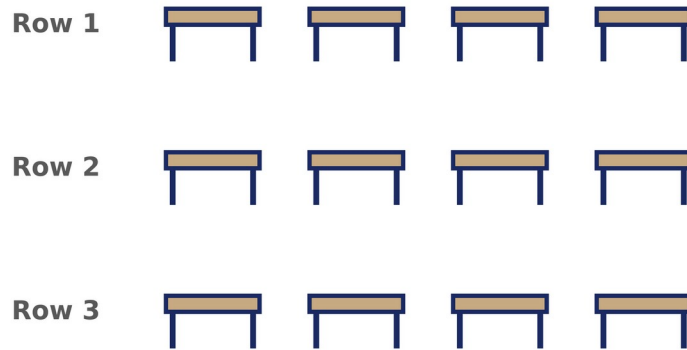
- B) Tower B
- D) They are equal

21. Pedro has 14 stickers. He gives 6 stickers to his sister. How many stickers does he have left?

- A) 7
- C) 9

- B) 8
- D) 10

22. Desks are arranged in rows, as shown below: 3 rows with 4 desks in each row. How many desks are there in total?

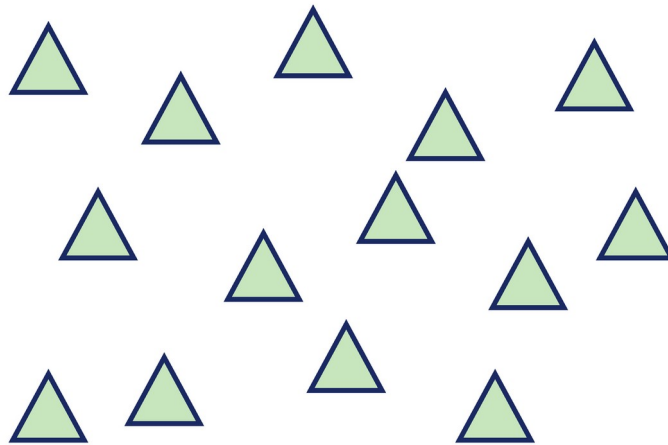


- A) 9
C) 11
- B) 10
D) 12

23. Camila buys 2 packs of pencils. Each pack has 6 pencils. She gives 4 pencils to a friend. How many pencils does she have left?

- A) 8
C) 10
- B) 9
D) 11

24. Count the triangles scattered in the picture below. How many triangles are there in total?



- A) 12
C) 14
- B) 13
D) 15

25. Which of these numbers is odd?

- A) 24
C) 46
- B) 31
D) 58

Answer Key

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1. B	2. D	3. A	4. C	5. B
6. D	7. A	8. C	9. A	10. D
11. B	12. C	13. B	14. D	15. A
16. C	17. B	18. D	19. A	20. C
21. B	22. D	23. A	24. C	25. B