## CLASS 6

Section - A
School Code: TS2052
School Name: Brighton International School
Subject: MATHS
Strength - 7
Pattern - Proficient
Set - A

IMAX UUID : 53dd6c4087


Dear teacher, please ask the students to do the following pre-exam steps:



Exam Date: $\qquad$ _ / ___ Teacher's Signature Please read the questions carefully and write the answers neatly in the spaces given. Instructions

- This paper consists of 40 MCQs
- Each MCQ has 4 options namely A, B, C and D. Correct option should be written in the space provided. Each MCQ carries 1 mark.
- Kindly check all the questions before answering
- Rewriting the answer is not permitted.
- Rough work should be done in the space provided.
- All the MCQs in this paper are based on the Academic standards.
- Duration of the Exam is 60 Minutes.

Weightage of the Academic standards:

| Academic Standard | Number of questions | Marks |
| :--- | :---: | :---: |
| AS1- Problem Solving | 12 | 12 |
| AS2 - Reasoning and proof | 8 | 8 |
| AS3 - Communication | 6 | 6 |
| AS4 - Connection | 6 | 6 |
| AS5 - Visualisation \& Representation | 8 | 8 |
| Total | 40 | $\mathbf{4 0} \mathbf{~ M}$ |

37. The number of straight lines in the given figure is

(A) 6
(B) 5
(D) 4
38. The given number line represents
$1 \quad 1$

(A) $3+(-3)=0$
(B) $(-3)+(-3)=-6$
(C) $3+3=6$
(D) None
39. The expanded form for 308927 is
(A) $3000000+8000+900+20+7$
(B) $300000+800+90+2+7$
(C) $30000+80000+9000+20+7$
(D) $300000+8000+900+20+7$
40. The $\mathrm{n}^{\text {th }}$ term of the given sequence is represented by
$1,4,9,25, \ldots \ldots . . . . . . .$.
(A) $2 n$
(B) $n^{2}$
(C) $n+2$
(D) $\frac{4 n^{2}}{2}$
$1 \quad 1$
41. The sum of the number 765432 and the number obtained by reversing its digit is
(A) 999999
(B) 989999
(C) 999899
(D) 999989
42. The value of $456 \times 6+35 \times 2$ is
(A) 2860
(B) 2806
(C) 2608
(D) 2680
43. What are the prime factors of the greatest 4 -digit number?
(A) $3 \times 3 \times 11 \times 101$
(B) $9 \times 11 \times 101$
(C) $3 \times 33 \times 101$
(D) $3 \times 3 \times 11 \times 11$
44. Sum of $15,-2$ and 7 is
(A) 22
(B) 21
(C) 20
(D) 23
45. What fraction of a year is 4 months?
(B) $\frac{1}{4}$
(A) $\frac{2}{3}$
(D) $\frac{1}{3}$
(C) $\frac{3}{1}$
46. Three hundreds and 5 tenths in decimal form is given by
(A) 300.5
(B) 3.005
(C) 30.05
(D) 3.500
47. Solution of the equation $5 q-10=5$ is
(A) 5
(B) 4
(C) 3
(D) 6

Rough work
34. Which number is being represented by the point $A$ on the following number line?

(A) - 9
(B) 5
(C) -5
(D) -6
35. Write the fraction representing the shaded region.

(A) $\frac{4}{9}$
(B) $\frac{5}{9}$
(C) $\frac{6}{9}$
(D) $\frac{7}{9}$
36. The number of triangles in the figure is
( )

(A) 10
(B) 12
(C) 13
(D) 14

Rough work
29. Reshma was given $\frac{3}{8}$ basket of apples. What fraction of apples were left?
(A) $\frac{4}{8}$
(B) $\frac{5}{8}$
(C) $\frac{6}{8}$
(D) $\frac{7}{8}$
30. A piece of wire is 240 cm long. What will be the length of each side, if the wire is bent to form a square?
(A) 45 cm
(B) 60 cm
(C) 50 cm
(D) 40 cm
31. The price of potatoes is Rs. x per kg, and the price of onion is Rs. 10 more than the price of potatoes. Therefore the price of onion is
(A) $x+10$
(B) $10 x$
(C) $\frac{x}{10}$
(D) $x-10$
32. The product of two numbers is 360 . If HCF is 9 then their LCM is ()
(A) 30
(B) 4
(C) 40
(D) 60
33. An observation occurring seven times in a data is represented as $\qquad$ using tally marks.
(A) III
(B) $N$
(c) $\operatorname{NN} \mid N$
(D) $\mathbb{N} \|$
14. The angle formed between the pair of parallel lines is
(A) $45^{\circ}$
(B) $90^{\circ}$
(C) $60^{\circ}$
(D) no angle is formed
15. The lengths in centimetres (to the nearest centimetre) of 30 carrots are as follows.

| 15 | 22 | 21 | 20 | 22 | 15 | 15 | 20 | 20 | 15 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 20 | 18 | 20 | 22 | 21 | 20 | 21 | 18 | 21 | 18 |
| 20 | 18 | 21 | 18 | 22 | 20 | 15 | 21 | 18 | 20 |

What is the number of carrots which have length more than 20 cm ? ()
(A) 9
(B) 10
(C) 11
(D) 12
16. In the given figure, $\angle X Y Z$ cannot be written as

(A) $\angle Y$
(B) $\angle Z X Y$
(C) $\angle Z Y X$
(D) $\angle X Y P$
17. If the length and area of a rectangle are doubled, then its breadth ()
(A) doubles
(B) triples
(C) remain unchanged
(D) none of these

Rough work
18. In a botanical garden, the number of different types of plants found is as follows.

| Type of plant | Number of plants |
| :---: | :---: |
| Herb | 50 |
| Shrub | 60 |
| Creeper | 20 |
| Climber | 45 |

Which type of plant is maximum in number?
$1 \quad 1$
(A) Herb
(B) Shrub
(C) Creeper
(D) Climber
19. When one is added to the greatest four-digit number, what is the result?
(A) Greatest 5-digit number
(B) Smallest 5-digit number
(C) Greatest 4-digit number
(D) Smallest 4-digit number
20. If a number is divisible by two co-prime numbers, then it is also divisible by their
(A) sum
(B) difference
(C) produc $\dagger$
(D) quotient
21. If two lines intersect each other, then the common point between them is known as the point of
( )
(A) contact
(B) vertex
(C) intersection
(D) concurrence

## Rough work

22. A protractor is a semicircular curved model with $\qquad$ equal divisions used to measure and construct angles.
( )
(A) 180
(B) 90
(C) 360
(D) 270
23. A table showing the count of various items is called a
(A) bar graph
(B) frequency distribution table
(C) pictograph
(D) All the above
24. The product of two whole numbers is one if
(A) one number is 1
(B) both numbers are 1
(C) one number is not defined
(D) none of these
25. An angle greater than a straight angle and less than a complete angle is
( )
(A) an acute angle
(B) a right angle
(C) an obtuse angle
(D) a reflex angle
26. The two quantities $a$ and $b$ in the ratio $a: b$ are called
(A) antecedent and consequent
(B) consequent and antecedent
(C) antecedent and antecedent
(D) consequent and consequent
27. If 36 flats cost Rs. 68251500, the cost of each flat is

1 )
(A) Rs. 198670
(B) Rs. 135649
(C) Rs. 203456
(D) Rs. 1895875
28. A box contains 500000 medicine tablets each weighing 10 mg . what is the total weight of all the tablets in the box in kilograms?
( )
(A) $5,00,000$
(B) 50,000
(C) 5 kg
(D) 500 kg

Rough work

I MAX UUID : e1d66f2186
(TS2052) Brighton International School

Summative Assessment 1 Academic year 2017-18


Dear teacher, please ask the students to do the following pre-exam steps:



Exam Date: $\qquad$ _ / ___ Teacher's Signature Please read the questions carefully and write the answers neatly in the spaces given. Instructions

- This paper consists of 40 MCQs
- Each MCQ has 4 options namely A, B, C and D. Correct option should be written in the space provided. Each MCQ carries 1 mark.
- Kindly check all the questions before answering
- Rewriting the answer is not permitted.
- Rough work should be done in the space provided.
- All the MCQs in this paper are based on the Academic standards.
- Duration of the Exam is 60 Minutes.

Weightage of the Academic standards:

| Academic Standard | Number of questions | Marks |
| :--- | :---: | :---: |
| AS1- Problem Solving | 12 | 12 |
| AS2 - Reasoning and proof | 8 | 8 |
| AS3 - Communication | 6 | 6 |
| AS4 - Connection | 6 | 6 |
| AS5 - Visualisation \& Representation | 8 | 8 |
| Total | 40 | $\mathbf{4 0} \mathbf{~ M}$ |

37. The number of straight lines in the given figure is

(A) 6
(B) 5
(D) 4
38. The given number line represents
$1 \quad 1$

(A) $3+(-3)=0$
(B) $(-3)+(-3)=-6$
(C) $3+3=6$
(D) None
39. The expanded form for 308927 is
(A) $3000000+8000+900+20+7$
(B) $300000+800+90+2+7$
(C) $30000+80000+9000+20+7$
(D) $300000+8000+900+20+7$
40. The $\mathrm{n}^{\text {th }}$ term of the given sequence is represented by
$1,4,9,25, \ldots \ldots . . . . . . .$.
(A) $2 n$
(B) $n^{2}$
(C) $n+2$
(D) $\frac{4 n^{2}}{2}$
$1 \quad 1$
41. The sum of the number 765432 and the number obtained by reversing its digit is
(A) 999999
(B) 989999
(C) 999899
(D) 999989
42. The value of $456 \times 6+35 \times 2$ is
(A) 2860
(B) 2806
(C) 2608
(D) 2680
43. What are the prime factors of the greatest 4 -digit number?
(A) $3 \times 3 \times 11 \times 101$
(B) $9 \times 11 \times 101$
(C) $3 \times 33 \times 101$
(D) $3 \times 3 \times 11 \times 11$
44. Sum of $15,-2$ and 7 is
(A) 22
(B) 21
(C) 20
(D) 23
45. What fraction of a year is 4 months?
(B) $\frac{1}{4}$
(A) $\frac{2}{3}$
(D) $\frac{1}{3}$
(C) $\frac{3}{1}$
46. Three hundreds and 5 tenths in decimal form is given by
(A) 300.5
(B) 3.005
(C) 30.05
(D) 3.500
47. Solution of the equation $5 q-10=5$ is
(A) 5
(B) 4
(C) 3
(D) 6

Rough work
34. Which number is being represented by the point $A$ on the following number line?

(A) - 9
(B) 5
(C) -5
(D) -6
35. Write the fraction representing the shaded region.

(A) $\frac{4}{9}$
(B) $\frac{5}{9}$
(C) $\frac{6}{9}$
(D) $\frac{7}{9}$
36. The number of triangles in the figure is
( )

(A) 10
(B) 12
(C) 13
(D) 14

Rough work
29. Reshma was given $\frac{3}{8}$ basket of apples. What fraction of apples were left?
(A) $\frac{4}{8}$
(B) $\frac{5}{8}$
(C) $\frac{6}{8}$
(D) $\frac{7}{8}$
30. A piece of wire is 240 cm long. What will be the length of each side, if the wire is bent to form a square?
(A) 45 cm
(B) 60 cm
(C) 50 cm
(D) 40 cm
31. The price of potatoes is Rs. x per kg, and the price of onion is Rs. 10 more than the price of potatoes. Therefore the price of onion is
(A) $x+10$
(B) $10 x$
(C) $\frac{x}{10}$
(D) $x-10$
32. The product of two numbers is 360 . If HCF is 9 then their LCM is ()
(A) 30
(B) 4
(C) 40
(D) 60
33. An observation occurring seven times in a data is represented as $\qquad$ using tally marks.
(A) III
(B) $N$
(c) $\operatorname{NN} \mid N$
(D) $\mathbb{N} \|$
14. The angle formed between the pair of parallel lines is
(A) $45^{\circ}$
(B) $90^{\circ}$
(C) $60^{\circ}$
(D) no angle is formed
15. The lengths in centimetres (to the nearest centimetre) of 30 carrots are as follows.

| 15 | 22 | 21 | 20 | 22 | 15 | 15 | 20 | 20 | 15 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 20 | 18 | 20 | 22 | 21 | 20 | 21 | 18 | 21 | 18 |
| 20 | 18 | 21 | 18 | 22 | 20 | 15 | 21 | 18 | 20 |

What is the number of carrots which have length more than 20 cm ? ()
(A) 9
(B) 10
(C) 11
(D) 12
16. In the given figure, $\angle X Y Z$ cannot be written as

(A) $\angle Y$
(B) $\angle Z X Y$
(C) $\angle Z Y X$
(D) $\angle X Y P$
17. If the length and area of a rectangle are doubled, then its breadth ()
(A) doubles
(B) triples
(C) remain unchanged
(D) none of these

Rough work
18. In a botanical garden, the number of different types of plants found is as follows.

| Type of plant | Number of plants |
| :---: | :---: |
| Herb | 50 |
| Shrub | 60 |
| Creeper | 20 |
| Climber | 45 |

Which type of plant is maximum in number?
$1 \quad 1$
(A) Herb
(B) Shrub
(C) Creeper
(D) Climber
19. When one is added to the greatest four-digit number, what is the result?
(A) Greatest 5-digit number
(B) Smallest 5-digit number
(C) Greatest 4-digit number
(D) Smallest 4-digit number
20. If a number is divisible by two co-prime numbers, then it is also divisible by their
(A) sum
(B) difference
(C) produc $\dagger$
(D) quotient
21. If two lines intersect each other, then the common point between them is known as the point of
( )
(A) contact
(B) vertex
(C) intersection
(D) concurrence

## Rough work

22. A protractor is a semicircular curved model with $\qquad$ equal divisions used to measure and construct angles.
( )
(A) 180
(B) 90
(C) 360
(D) 270
23. A table showing the count of various items is called a
(A) bar graph
(B) frequency distribution table
(C) pictograph
(D) All the above
24. The product of two whole numbers is one if
(A) one number is 1
(B) both numbers are 1
(C) one number is not defined
(D) none of these
25. An angle greater than a straight angle and less than a complete angle is
( )
(A) an acute angle
(B) a right angle
(C) an obtuse angle
(D) a reflex angle
26. The two quantities $a$ and $b$ in the ratio $a: b$ are called
(A) antecedent and consequent
(B) consequent and antecedent
(C) antecedent and antecedent
(D) consequent and consequent
27. If 36 flats cost Rs. 68251500, the cost of each flat is

1 )
(A) Rs. 198670
(B) Rs. 135649
(C) Rs. 203456
(D) Rs. 1895875
28. A box contains 500000 medicine tablets each weighing 10 mg . what is the total weight of all the tablets in the box in kilograms?
( )
(A) $5,00,000$
(B) 50,000
(C) 5 kg
(D) 500 kg

Rough work

## MOHD HAJI

IMAX UUID : 67de50871b


Dear teacher, please ask the students to do the following pre-exam steps:



Exam Date: $\qquad$ _ / ___ Teacher's Signature Please read the questions carefully and write the answers neatly in the spaces given. Instructions

- This paper consists of 40 MCQs
- Each MCQ has 4 options namely A, B, C and D. Correct option should be written in the space provided. Each MCQ carries 1 mark.
- Kindly check all the questions before answering
- Rewriting the answer is not permitted.
- Rough work should be done in the space provided.
- All the MCQs in this paper are based on the Academic standards.
- Duration of the Exam is 60 Minutes.

Weightage of the Academic standards:

| Academic Standard | Number of questions | Marks |
| :--- | :---: | :---: |
| AS1- Problem Solving | 12 | 12 |
| AS2 - Reasoning and proof | 8 | 8 |
| AS3 - Communication | 6 | 6 |
| AS4 - Connection | 6 | 6 |
| AS5 - Visualisation \& Representation | 8 | 8 |
| Total | 40 | $\mathbf{4 0} \mathbf{~ M}$ |

37. The number of straight lines in the given figure is

(A) 6
(B) 5
(D) 4
38. The given number line represents
$1 \quad 1$

(A) $3+(-3)=0$
(B) $(-3)+(-3)=-6$
(C) $3+3=6$
(D) None
39. The expanded form for 308927 is
(A) $3000000+8000+900+20+7$
(B) $300000+800+90+2+7$
(C) $30000+80000+9000+20+7$
(D) $300000+8000+900+20+7$
40. The $\mathrm{n}^{\text {th }}$ term of the given sequence is represented by
$1,4,9,25, \ldots \ldots . . . . . . .$.
(A) $2 n$
(B) $n^{2}$
(C) $n+2$
(D) $\frac{4 n^{2}}{2}$
$1 \quad 1$
41. The sum of the number 765432 and the number obtained by reversing its digit is
(A) 999999
(B) 989999
(C) 999899
(D) 999989
42. The value of $456 \times 6+35 \times 2$ is
(A) 2860
(B) 2806
(C) 2608
(D) 2680
43. What are the prime factors of the greatest 4 -digit number?
(A) $3 \times 3 \times 11 \times 101$
(B) $9 \times 11 \times 101$
(C) $3 \times 33 \times 101$
(D) $3 \times 3 \times 11 \times 11$
44. Sum of $15,-2$ and 7 is
(A) 22
(B) 21
(C) 20
(D) 23
45. What fraction of a year is 4 months?
(B) $\frac{1}{4}$
(A) $\frac{2}{3}$
(D) $\frac{1}{3}$
(C) $\frac{3}{1}$
46. Three hundreds and 5 tenths in decimal form is given by
(A) 300.5
(B) 3.005
(C) 30.05
(D) 3.500
47. Solution of the equation $5 q-10=5$ is
(A) 5
(B) 4
(C) 3
(D) 6

Rough work
34. Which number is being represented by the point $A$ on the following number line?

(A) - 9
(B) 5
(C) -5
(D) -6
35. Write the fraction representing the shaded region.

(A) $\frac{4}{9}$
(B) $\frac{5}{9}$
(C) $\frac{6}{9}$
(D) $\frac{7}{9}$
36. The number of triangles in the figure is
( )

(A) 10
(B) 12
(C) 13
(D) 14

Rough work
29. Reshma was given $\frac{3}{8}$ basket of apples. What fraction of apples were left?
(A) $\frac{4}{8}$
(B) $\frac{5}{8}$
(C) $\frac{6}{8}$
(D) $\frac{7}{8}$
30. A piece of wire is 240 cm long. What will be the length of each side, if the wire is bent to form a square?
(A) 45 cm
(B) 60 cm
(C) 50 cm
(D) 40 cm
31. The price of potatoes is Rs. x per kg, and the price of onion is Rs. 10 more than the price of potatoes. Therefore the price of onion is
(A) $x+10$
(B) $10 x$
(C) $\frac{x}{10}$
(D) $x-10$
32. The product of two numbers is 360 . If HCF is 9 then their LCM is ()
(A) 30
(B) 4
(C) 40
(D) 60
33. An observation occurring seven times in a data is represented as $\qquad$ using tally marks.
(A) III
(B) $N$
(c) $\operatorname{NN} \mid N$
(D) $\mathbb{N} \|$
14. The angle formed between the pair of parallel lines is
(A) $45^{\circ}$
(B) $90^{\circ}$
(C) $60^{\circ}$
(D) no angle is formed
15. The lengths in centimetres (to the nearest centimetre) of 30 carrots are as follows.

| 15 | 22 | 21 | 20 | 22 | 15 | 15 | 20 | 20 | 15 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 20 | 18 | 20 | 22 | 21 | 20 | 21 | 18 | 21 | 18 |
| 20 | 18 | 21 | 18 | 22 | 20 | 15 | 21 | 18 | 20 |

What is the number of carrots which have length more than 20 cm ? ()
(A) 9
(B) 10
(C) 11
(D) 12
16. In the given figure, $\angle X Y Z$ cannot be written as

(A) $\angle Y$
(B) $\angle Z X Y$
(C) $\angle Z Y X$
(D) $\angle X Y P$
17. If the length and area of a rectangle are doubled, then its breadth ()
(A) doubles
(B) triples
(C) remain unchanged
(D) none of these

Rough work
18. In a botanical garden, the number of different types of plants found is as follows.

| Type of plant | Number of plants |
| :---: | :---: |
| Herb | 50 |
| Shrub | 60 |
| Creeper | 20 |
| Climber | 45 |

Which type of plant is maximum in number?
$1 \quad 1$
(A) Herb
(B) Shrub
(C) Creeper
(D) Climber
19. When one is added to the greatest four-digit number, what is the result?
(A) Greatest 5-digit number
(B) Smallest 5-digit number
(C) Greatest 4-digit number
(D) Smallest 4-digit number
20. If a number is divisible by two co-prime numbers, then it is also divisible by their
(A) sum
(B) difference
(C) produc $\dagger$
(D) quotient
21. If two lines intersect each other, then the common point between them is known as the point of
( )
(A) contact
(B) vertex
(C) intersection
(D) concurrence

## Rough work

22. A protractor is a semicircular curved model with $\qquad$ equal divisions used to measure and construct angles.
( )
(A) 180
(B) 90
(C) 360
(D) 270
23. A table showing the count of various items is called a
(A) bar graph
(B) frequency distribution table
(C) pictograph
(D) All the above
24. The product of two whole numbers is one if
(A) one number is 1
(B) both numbers are 1
(C) one number is not defined
(D) none of these
25. An angle greater than a straight angle and less than a complete angle is
( )
(A) an acute angle
(B) a right angle
(C) an obtuse angle
(D) a reflex angle
26. The two quantities $a$ and $b$ in the ratio $a: b$ are called
(A) antecedent and consequent
(B) consequent and antecedent
(C) antecedent and antecedent
(D) consequent and consequent
27. If 36 flats cost Rs. 68251500, the cost of each flat is

1 )
(A) Rs. 198670
(B) Rs. 135649
(C) Rs. 203456
(D) Rs. 1895875
28. A box contains 500000 medicine tablets each weighing 10 mg . what is the total weight of all the tablets in the box in kilograms?
( )
(A) $5,00,000$
(B) 50,000
(C) 5 kg
(D) 500 kg

Rough work

# IMAX UUID : 826e6a7f60 

(TS2052) Brighton International School

Summative Assessment 1
Academic year 2017-18

Dear teacher, please ask the students to do the following pre-exam steps:



Exam Date: $\qquad$ _ / ___ Teacher's Signature Please read the questions carefully and write the answers neatly in the spaces given. Instructions

- This paper consists of 40 MCQs
- Each MCQ has 4 options namely A, B, C and D. Correct option should be written in the space provided. Each MCQ carries 1 mark.
- Kindly check all the questions before answering
- Rewriting the answer is not permitted.
- Rough work should be done in the space provided.
- All the MCQs in this paper are based on the Academic standards.
- Duration of the Exam is 60 Minutes.

Weightage of the Academic standards:

| Academic Standard | Number of questions | Marks |
| :--- | :---: | :---: |
| AS1- Problem Solving | 12 | 12 |
| AS2 - Reasoning and proof | 8 | 8 |
| AS3 - Communication | 6 | 6 |
| AS4 - Connection | 6 | 6 |
| AS5 - Visualisation \& Representation | 8 | 8 |
| Total | 40 | $\mathbf{4 0} \mathbf{~ M}$ |

37. The number of straight lines in the given figure is

(A) 6
(B) 5
(D) 4
38. The given number line represents
$1 \quad 1$

(A) $3+(-3)=0$
(B) $(-3)+(-3)=-6$
(C) $3+3=6$
(D) None
39. The expanded form for 308927 is
(A) $3000000+8000+900+20+7$
(B) $300000+800+90+2+7$
(C) $30000+80000+9000+20+7$
(D) $300000+8000+900+20+7$
40. The $\mathrm{n}^{\text {th }}$ term of the given sequence is represented by
$1,4,9,25, \ldots \ldots . . . . . . .$.
(A) $2 n$
(B) $n^{2}$
(C) $n+2$
(D) $\frac{4 n^{2}}{2}$
$1 \quad 1$
41. The sum of the number 765432 and the number obtained by reversing its digit is
(A) 999999
(B) 989999
(C) 999899
(D) 999989
42. The value of $456 \times 6+35 \times 2$ is
(A) 2860
(B) 2806
(C) 2608
(D) 2680
43. What are the prime factors of the greatest 4 -digit number?
(A) $3 \times 3 \times 11 \times 101$
(B) $9 \times 11 \times 101$
(C) $3 \times 33 \times 101$
(D) $3 \times 3 \times 11 \times 11$
44. Sum of $15,-2$ and 7 is
(A) 22
(B) 21
(C) 20
(D) 23
45. What fraction of a year is 4 months?
(B) $\frac{1}{4}$
(A) $\frac{2}{3}$
(D) $\frac{1}{3}$
(C) $\frac{3}{1}$
46. Three hundreds and 5 tenths in decimal form is given by
(A) 300.5
(B) 3.005
(C) 30.05
(D) 3.500
47. Solution of the equation $5 q-10=5$ is
(A) 5
(B) 4
(C) 3
(D) 6

Rough work
34. Which number is being represented by the point $A$ on the following number line?

(A) - 9
(B) 5
(C) -5
(D) -6
35. Write the fraction representing the shaded region.

(A) $\frac{4}{9}$
(B) $\frac{5}{9}$
(C) $\frac{6}{9}$
(D) $\frac{7}{9}$
36. The number of triangles in the figure is
( )

(A) 10
(B) 12
(C) 13
(D) 14

Rough work
29. Reshma was given $\frac{3}{8}$ basket of apples. What fraction of apples were left?
(A) $\frac{4}{8}$
(B) $\frac{5}{8}$
(C) $\frac{6}{8}$
(D) $\frac{7}{8}$
30. A piece of wire is 240 cm long. What will be the length of each side, if the wire is bent to form a square?
(A) 45 cm
(B) 60 cm
(C) 50 cm
(D) 40 cm
31. The price of potatoes is Rs. x per kg, and the price of onion is Rs. 10 more than the price of potatoes. Therefore the price of onion is
(A) $x+10$
(B) $10 x$
(C) $\frac{x}{10}$
(D) $x-10$
32. The product of two numbers is 360 . If HCF is 9 then their LCM is ()
(A) 30
(B) 4
(C) 40
(D) 60
33. An observation occurring seven times in a data is represented as $\qquad$ using tally marks.
(A) III
(B) $N$
(c) $\operatorname{NN} \mid N$
(D) $\mathbb{N} \|$
14. The angle formed between the pair of parallel lines is
(A) $45^{\circ}$
(B) $90^{\circ}$
(C) $60^{\circ}$
(D) no angle is formed
15. The lengths in centimetres (to the nearest centimetre) of 30 carrots are as follows.

| 15 | 22 | 21 | 20 | 22 | 15 | 15 | 20 | 20 | 15 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 20 | 18 | 20 | 22 | 21 | 20 | 21 | 18 | 21 | 18 |
| 20 | 18 | 21 | 18 | 22 | 20 | 15 | 21 | 18 | 20 |

What is the number of carrots which have length more than 20 cm ? ()
(A) 9
(B) 10
(C) 11
(D) 12
16. In the given figure, $\angle X Y Z$ cannot be written as

(A) $\angle Y$
(B) $\angle Z X Y$
(C) $\angle Z Y X$
(D) $\angle X Y P$
17. If the length and area of a rectangle are doubled, then its breadth ()
(A) doubles
(B) triples
(C) remain unchanged
(D) none of these

Rough work
18. In a botanical garden, the number of different types of plants found is as follows.

| Type of plant | Number of plants |
| :---: | :---: |
| Herb | 50 |
| Shrub | 60 |
| Creeper | 20 |
| Climber | 45 |

Which type of plant is maximum in number?
$1 \quad 1$
(A) Herb
(B) Shrub
(C) Creeper
(D) Climber
19. When one is added to the greatest four-digit number, what is the result?
(A) Greatest 5-digit number
(B) Smallest 5-digit number
(C) Greatest 4-digit number
(D) Smallest 4-digit number
20. If a number is divisible by two co-prime numbers, then it is also divisible by their
(A) sum
(B) difference
(C) produc $\dagger$
(D) quotient
21. If two lines intersect each other, then the common point between them is known as the point of
( )
(A) contact
(B) vertex
(C) intersection
(D) concurrence

## Rough work

22. A protractor is a semicircular curved model with $\qquad$ equal divisions used to measure and construct angles.
( )
(A) 180
(B) 90
(C) 360
(D) 270
23. A table showing the count of various items is called a
(A) bar graph
(B) frequency distribution table
(C) pictograph
(D) All the above
24. The product of two whole numbers is one if
(A) one number is 1
(B) both numbers are 1
(C) one number is not defined
(D) none of these
25. An angle greater than a straight angle and less than a complete angle is
( )
(A) an acute angle
(B) a right angle
(C) an obtuse angle
(D) a reflex angle
26. The two quantities $a$ and $b$ in the ratio $a: b$ are called
(A) antecedent and consequent
(B) consequent and antecedent
(C) antecedent and antecedent
(D) consequent and consequent
27. If 36 flats cost Rs. 68251500, the cost of each flat is

1 )
(A) Rs. 198670
(B) Rs. 135649
(C) Rs. 203456
(D) Rs. 1895875
28. A box contains 500000 medicine tablets each weighing 10 mg . what is the total weight of all the tablets in the box in kilograms?
( )
(A) $5,00,000$
(B) 50,000
(C) 5 kg
(D) 500 kg

Rough work

## GULAM MOIN UDDIN

IMAX UUID : c373a5a228


Dear teacher, please ask the students to do the following pre-exam steps:



Exam Date: $\qquad$ _ / ___ Teacher's Signature Please read the questions carefully and write the answers neatly in the spaces given. Instructions

- This paper consists of 40 MCQs
- Each MCQ has 4 options namely A, B, C and D. Correct option should be written in the space provided. Each MCQ carries 1 mark.
- Kindly check all the questions before answering
- Rewriting the answer is not permitted.
- Rough work should be done in the space provided.
- All the MCQs in this paper are based on the Academic standards.
- Duration of the Exam is 60 Minutes.

Weightage of the Academic standards:

| Academic Standard | Number of questions | Marks |
| :--- | :---: | :---: |
| AS1- Problem Solving | 12 | 12 |
| AS2 - Reasoning and proof | 8 | 8 |
| AS3 - Communication | 6 | 6 |
| AS4 - Connection | 6 | 6 |
| AS5 - Visualisation \& Representation | 8 | 8 |
| Total | 40 | $\mathbf{4 0} \mathbf{~ M}$ |

37. The number of straight lines in the given figure is

(A) 6
(B) 5
(D) 4
38. The given number line represents
$1 \quad 1$

(A) $3+(-3)=0$
(B) $(-3)+(-3)=-6$
(C) $3+3=6$
(D) None
39. The expanded form for 308927 is
(A) $3000000+8000+900+20+7$
(B) $300000+800+90+2+7$
(C) $30000+80000+9000+20+7$
(D) $300000+8000+900+20+7$
40. The $\mathrm{n}^{\text {th }}$ term of the given sequence is represented by
$1,4,9,25, \ldots \ldots . . . . . . .$.
(A) $2 n$
(B) $n^{2}$
(C) $n+2$
(D) $\frac{4 n^{2}}{2}$
$1 \quad 1$
41. The sum of the number 765432 and the number obtained by reversing its digit is
(A) 999999
(B) 989999
(C) 999899
(D) 999989
42. The value of $456 \times 6+35 \times 2$ is
(A) 2860
(B) 2806
(C) 2608
(D) 2680
43. What are the prime factors of the greatest 4 -digit number?
(A) $3 \times 3 \times 11 \times 101$
(B) $9 \times 11 \times 101$
(C) $3 \times 33 \times 101$
(D) $3 \times 3 \times 11 \times 11$
44. Sum of $15,-2$ and 7 is
(A) 22
(B) 21
(C) 20
(D) 23
45. What fraction of a year is 4 months?
(B) $\frac{1}{4}$
(A) $\frac{2}{3}$
(D) $\frac{1}{3}$
(C) $\frac{3}{1}$
46. Three hundreds and 5 tenths in decimal form is given by
(A) 300.5
(B) 3.005
(C) 30.05
(D) 3.500
47. Solution of the equation $5 q-10=5$ is
(A) 5
(B) 4
(C) 3
(D) 6

Rough work
34. Which number is being represented by the point $A$ on the following number line?

(A) - 9
(B) 5
(C) -5
(D) -6
35. Write the fraction representing the shaded region.

(A) $\frac{4}{9}$
(B) $\frac{5}{9}$
(C) $\frac{6}{9}$
(D) $\frac{7}{9}$
36. The number of triangles in the figure is
( )

(A) 10
(B) 12
(C) 13
(D) 14

Rough work
29. Reshma was given $\frac{3}{8}$ basket of apples. What fraction of apples were left?
(A) $\frac{4}{8}$
(B) $\frac{5}{8}$
(C) $\frac{6}{8}$
(D) $\frac{7}{8}$
30. A piece of wire is 240 cm long. What will be the length of each side, if the wire is bent to form a square?
(A) 45 cm
(B) 60 cm
(C) 50 cm
(D) 40 cm
31. The price of potatoes is Rs. x per kg, and the price of onion is Rs. 10 more than the price of potatoes. Therefore the price of onion is
(A) $x+10$
(B) $10 x$
(C) $\frac{x}{10}$
(D) $x-10$
32. The product of two numbers is 360 . If HCF is 9 then their LCM is ()
(A) 30
(B) 4
(C) 40
(D) 60
33. An observation occurring seven times in a data is represented as $\qquad$ using tally marks.
(A) III
(B) $N$
(c) $\operatorname{NN} \mid N$
(D) $\mathbb{N} \|$
14. The angle formed between the pair of parallel lines is
(A) $45^{\circ}$
(B) $90^{\circ}$
(C) $60^{\circ}$
(D) no angle is formed
15. The lengths in centimetres (to the nearest centimetre) of 30 carrots are as follows.

| 15 | 22 | 21 | 20 | 22 | 15 | 15 | 20 | 20 | 15 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 20 | 18 | 20 | 22 | 21 | 20 | 21 | 18 | 21 | 18 |
| 20 | 18 | 21 | 18 | 22 | 20 | 15 | 21 | 18 | 20 |

What is the number of carrots which have length more than 20 cm ? ()
(A) 9
(B) 10
(C) 11
(D) 12
16. In the given figure, $\angle X Y Z$ cannot be written as

(A) $\angle Y$
(B) $\angle Z X Y$
(C) $\angle Z Y X$
(D) $\angle X Y P$
17. If the length and area of a rectangle are doubled, then its breadth ()
(A) doubles
(B) triples
(C) remain unchanged
(D) none of these

Rough work
18. In a botanical garden, the number of different types of plants found is as follows.

| Type of plant | Number of plants |
| :---: | :---: |
| Herb | 50 |
| Shrub | 60 |
| Creeper | 20 |
| Climber | 45 |

Which type of plant is maximum in number?
$1 \quad 1$
(A) Herb
(B) Shrub
(C) Creeper
(D) Climber
19. When one is added to the greatest four-digit number, what is the result?
(A) Greatest 5-digit number
(B) Smallest 5-digit number
(C) Greatest 4-digit number
(D) Smallest 4-digit number
20. If a number is divisible by two co-prime numbers, then it is also divisible by their
(A) sum
(B) difference
(C) produc $\dagger$
(D) quotient
21. If two lines intersect each other, then the common point between them is known as the point of
( )
(A) contact
(B) vertex
(C) intersection
(D) concurrence

## Rough work

22. A protractor is a semicircular curved model with $\qquad$ equal divisions used to measure and construct angles.
( )
(A) 180
(B) 90
(C) 360
(D) 270
23. A table showing the count of various items is called a
(A) bar graph
(B) frequency distribution table
(C) pictograph
(D) All the above
24. The product of two whole numbers is one if
(A) one number is 1
(B) both numbers are 1
(C) one number is not defined
(D) none of these
25. An angle greater than a straight angle and less than a complete angle is
( )
(A) an acute angle
(B) a right angle
(C) an obtuse angle
(D) a reflex angle
26. The two quantities $a$ and $b$ in the ratio $a: b$ are called
(A) antecedent and consequent
(B) consequent and antecedent
(C) antecedent and antecedent
(D) consequent and consequent
27. If 36 flats cost Rs. 68251500, the cost of each flat is

1 )
(A) Rs. 198670
(B) Rs. 135649
(C) Rs. 203456
(D) Rs. 1895875
28. A box contains 500000 medicine tablets each weighing 10 mg . what is the total weight of all the tablets in the box in kilograms?
( )
(A) $5,00,000$
(B) 50,000
(C) 5 kg
(D) 500 kg

Rough work

## IMAX <br> (TS2052) Brighton International School <br> Summative Assessment <br> Academic year 2017-18

Dear teacher, please ask the students to do the following pre-exam steps:



Exam Date: $\qquad$ _ / ___ Teacher's Signature Please read the questions carefully and write the answers neatly in the spaces given. Instructions

- This paper consists of 40 MCQs
- Each MCQ has 4 options namely A, B, C and D. Correct option should be written in the space provided. Each MCQ carries 1 mark.
- Kindly check all the questions before answering
- Rewriting the answer is not permitted.
- Rough work should be done in the space provided.
- All the MCQs in this paper are based on the Academic standards.
- Duration of the Exam is 60 Minutes.

Weightage of the Academic standards:

| Academic Standard | Number of questions | Marks |
| :--- | :---: | :---: |
| AS1- Problem Solving | 12 | 12 |
| AS2 - Reasoning and proof | 8 | 8 |
| AS3 - Communication | 6 | 6 |
| AS4 - Connection | 6 | 6 |
| AS5 - Visualisation \& Representation | 8 | 8 |
| Total | 40 | $\mathbf{4 0} \mathbf{~ M}$ |

37. The number of straight lines in the given figure is

(A) 6
(B) 5
(D) 4
38. The given number line represents
$1 \quad 1$

(A) $3+(-3)=0$
(B) $(-3)+(-3)=-6$
(C) $3+3=6$
(D) None
39. The expanded form for 308927 is
(A) $3000000+8000+900+20+7$
(B) $300000+800+90+2+7$
(C) $30000+80000+9000+20+7$
(D) $300000+8000+900+20+7$
40. The $\mathrm{n}^{\text {th }}$ term of the given sequence is represented by
$1,4,9,25, \ldots \ldots . . . . . . .$.
(A) $2 n$
(B) $n^{2}$
(C) $n+2$
(D) $\frac{4 n^{2}}{2}$
$1 \quad 1$
41. The sum of the number 765432 and the number obtained by reversing its digit is
(A) 999999
(B) 989999
(C) 999899
(D) 999989
42. The value of $456 \times 6+35 \times 2$ is
(A) 2860
(B) 2806
(C) 2608
(D) 2680
43. What are the prime factors of the greatest 4 -digit number?
(A) $3 \times 3 \times 11 \times 101$
(B) $9 \times 11 \times 101$
(C) $3 \times 33 \times 101$
(D) $3 \times 3 \times 11 \times 11$
44. Sum of $15,-2$ and 7 is
(A) 22
(B) 21
(C) 20
(D) 23
45. What fraction of a year is 4 months?
(B) $\frac{1}{4}$
(A) $\frac{2}{3}$
(D) $\frac{1}{3}$
(C) $\frac{3}{1}$
46. Three hundreds and 5 tenths in decimal form is given by
(A) 300.5
(B) 3.005
(C) 30.05
(D) 3.500
47. Solution of the equation $5 q-10=5$ is
(A) 5
(B) 4
(C) 3
(D) 6

Rough work
34. Which number is being represented by the point $A$ on the following number line?

(A) - 9
(B) 5
(C) -5
(D) -6
35. Write the fraction representing the shaded region.

(A) $\frac{4}{9}$
(B) $\frac{5}{9}$
(C) $\frac{6}{9}$
(D) $\frac{7}{9}$
36. The number of triangles in the figure is
( )

(A) 10
(B) 12
(C) 13
(D) 14

Rough work
29. Reshma was given $\frac{3}{8}$ basket of apples. What fraction of apples were left?
(A) $\frac{4}{8}$
(B) $\frac{5}{8}$
(C) $\frac{6}{8}$
(D) $\frac{7}{8}$
30. A piece of wire is 240 cm long. What will be the length of each side, if the wire is bent to form a square?
(A) 45 cm
(B) 60 cm
(C) 50 cm
(D) 40 cm
31. The price of potatoes is Rs. x per kg, and the price of onion is Rs. 10 more than the price of potatoes. Therefore the price of onion is
(A) $x+10$
(B) $10 x$
(C) $\frac{x}{10}$
(D) $x-10$
32. The product of two numbers is 360 . If HCF is 9 then their LCM is ()
(A) 30
(B) 4
(C) 40
(D) 60
33. An observation occurring seven times in a data is represented as $\qquad$ using tally marks.
(A) III
(B) $N$
(c) $\operatorname{NN} \mid N$
(D) $\mathbb{N} \|$
14. The angle formed between the pair of parallel lines is
(A) $45^{\circ}$
(B) $90^{\circ}$
(C) $60^{\circ}$
(D) no angle is formed
15. The lengths in centimetres (to the nearest centimetre) of 30 carrots are as follows.

| 15 | 22 | 21 | 20 | 22 | 15 | 15 | 20 | 20 | 15 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 20 | 18 | 20 | 22 | 21 | 20 | 21 | 18 | 21 | 18 |
| 20 | 18 | 21 | 18 | 22 | 20 | 15 | 21 | 18 | 20 |

What is the number of carrots which have length more than 20 cm ? ()
(A) 9
(B) 10
(C) 11
(D) 12
16. In the given figure, $\angle X Y Z$ cannot be written as

(A) $\angle Y$
(B) $\angle Z X Y$
(C) $\angle Z Y X$
(D) $\angle X Y P$
17. If the length and area of a rectangle are doubled, then its breadth ()
(A) doubles
(B) triples
(C) remain unchanged
(D) none of these

Rough work
18. In a botanical garden, the number of different types of plants found is as follows.

| Type of plant | Number of plants |
| :---: | :---: |
| Herb | 50 |
| Shrub | 60 |
| Creeper | 20 |
| Climber | 45 |

Which type of plant is maximum in number?
$1 \quad 1$
(A) Herb
(B) Shrub
(C) Creeper
(D) Climber
19. When one is added to the greatest four-digit number, what is the result?
(A) Greatest 5-digit number
(B) Smallest 5-digit number
(C) Greatest 4-digit number
(D) Smallest 4-digit number
20. If a number is divisible by two co-prime numbers, then it is also divisible by their
(A) sum
(B) difference
(C) produc $\dagger$
(D) quotient
21. If two lines intersect each other, then the common point between them is known as the point of
( )
(A) contact
(B) vertex
(C) intersection
(D) concurrence

## Rough work

22. A protractor is a semicircular curved model with $\qquad$ equal divisions used to measure and construct angles.
( )
(A) 180
(B) 90
(C) 360
(D) 270
23. A table showing the count of various items is called a
(A) bar graph
(B) frequency distribution table
(C) pictograph
(D) All the above
24. The product of two whole numbers is one if
(A) one number is 1
(B) both numbers are 1
(C) one number is not defined
(D) none of these
25. An angle greater than a straight angle and less than a complete angle is
( )
(A) an acute angle
(B) a right angle
(C) an obtuse angle
(D) a reflex angle
26. The two quantities $a$ and $b$ in the ratio $a: b$ are called
(A) antecedent and consequent
(B) consequent and antecedent
(C) antecedent and antecedent
(D) consequent and consequent
27. If 36 flats cost Rs. 68251500, the cost of each flat is

1 )
(A) Rs. 198670
(B) Rs. 135649
(C) Rs. 203456
(D) Rs. 1895875
28. A box contains 500000 medicine tablets each weighing 10 mg . what is the total weight of all the tablets in the box in kilograms?
( )
(A) $5,00,000$
(B) 50,000
(C) 5 kg
(D) 500 kg

Rough work

## IMAX <br> (TS2052) Brighton International School <br> Summative Assessment <br> Academic year 2017-18

Dear teacher, please ask the students to do the following pre-exam steps:



Exam Date: $\qquad$ _ / ___ Teacher's Signature Please read the questions carefully and write the answers neatly in the spaces given. Instructions

- This paper consists of 40 MCQs
- Each MCQ has 4 options namely A, B, C and D. Correct option should be written in the space provided. Each MCQ carries 1 mark.
- Kindly check all the questions before answering
- Rewriting the answer is not permitted.
- Rough work should be done in the space provided.
- All the MCQs in this paper are based on the Academic standards.
- Duration of the Exam is 60 Minutes.

Weightage of the Academic standards:

| Academic Standard | Number of questions | Marks |
| :--- | :---: | :---: |
| AS1- Problem Solving | 12 | 12 |
| AS2 - Reasoning and proof | 8 | 8 |
| AS3 - Communication | 6 | 6 |
| AS4 - Connection | 6 | 6 |
| AS5 - Visualisation \& Representation | 8 | 8 |
| Total | 40 | $\mathbf{4 0} \mathbf{~ M}$ |

37. The number of straight lines in the given figure is

(A) 6
(B) 5
(D) 4
38. The given number line represents
$1 \quad 1$

(A) $3+(-3)=0$
(B) $(-3)+(-3)=-6$
(C) $3+3=6$
(D) None
39. The expanded form for 308927 is
(A) $3000000+8000+900+20+7$
(B) $300000+800+90+2+7$
(C) $30000+80000+9000+20+7$
(D) $300000+8000+900+20+7$
40. The $\mathrm{n}^{\text {th }}$ term of the given sequence is represented by
$1,4,9,25, \ldots \ldots . . . . . . .$.
(A) $2 n$
(B) $n^{2}$
(C) $n+2$
(D) $\frac{4 n^{2}}{2}$
$1 \quad 1$
41. The sum of the number 765432 and the number obtained by reversing its digit is
(A) 999999
(B) 989999
(C) 999899
(D) 999989
42. The value of $456 \times 6+35 \times 2$ is
(A) 2860
(B) 2806
(C) 2608
(D) 2680
43. What are the prime factors of the greatest 4 -digit number?
(A) $3 \times 3 \times 11 \times 101$
(B) $9 \times 11 \times 101$
(C) $3 \times 33 \times 101$
(D) $3 \times 3 \times 11 \times 11$
44. Sum of $15,-2$ and 7 is
(A) 22
(B) 21
(C) 20
(D) 23
45. What fraction of a year is 4 months?
(B) $\frac{1}{4}$
(A) $\frac{2}{3}$
(D) $\frac{1}{3}$
(C) $\frac{3}{1}$
46. Three hundreds and 5 tenths in decimal form is given by
(A) 300.5
(B) 3.005
(C) 30.05
(D) 3.500
47. Solution of the equation $5 q-10=5$ is
(A) 5
(B) 4
(C) 3
(D) 6

Rough work
34. Which number is being represented by the point $A$ on the following number line?

(A) - 9
(B) 5
(C) -5
(D) -6
35. Write the fraction representing the shaded region.

(A) $\frac{4}{9}$
(B) $\frac{5}{9}$
(C) $\frac{6}{9}$
(D) $\frac{7}{9}$
36. The number of triangles in the figure is
( )

(A) 10
(B) 12
(C) 13
(D) 14

Rough work
29. Reshma was given $\frac{3}{8}$ basket of apples. What fraction of apples were left?
(A) $\frac{4}{8}$
(B) $\frac{5}{8}$
(C) $\frac{6}{8}$
(D) $\frac{7}{8}$
30. A piece of wire is 240 cm long. What will be the length of each side, if the wire is bent to form a square?
(A) 45 cm
(B) 60 cm
(C) 50 cm
(D) 40 cm
31. The price of potatoes is Rs. x per kg, and the price of onion is Rs. 10 more than the price of potatoes. Therefore the price of onion is
(A) $x+10$
(B) $10 x$
(C) $\frac{x}{10}$
(D) $x-10$
32. The product of two numbers is 360 . If HCF is 9 then their LCM is ()
(A) 30
(B) 4
(C) 40
(D) 60
33. An observation occurring seven times in a data is represented as $\qquad$ using tally marks.
(A) III
(B) $N$
(c) $\operatorname{NN} \mid N$
(D) $\mathbb{N} \|$
14. The angle formed between the pair of parallel lines is
(A) $45^{\circ}$
(B) $90^{\circ}$
(C) $60^{\circ}$
(D) no angle is formed
15. The lengths in centimetres (to the nearest centimetre) of 30 carrots are as follows.

| 15 | 22 | 21 | 20 | 22 | 15 | 15 | 20 | 20 | 15 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 20 | 18 | 20 | 22 | 21 | 20 | 21 | 18 | 21 | 18 |
| 20 | 18 | 21 | 18 | 22 | 20 | 15 | 21 | 18 | 20 |

What is the number of carrots which have length more than 20 cm ? ()
(A) 9
(B) 10
(C) 11
(D) 12
16. In the given figure, $\angle X Y Z$ cannot be written as

(A) $\angle Y$
(B) $\angle Z X Y$
(C) $\angle Z Y X$
(D) $\angle X Y P$
17. If the length and area of a rectangle are doubled, then its breadth ()
(A) doubles
(B) triples
(C) remain unchanged
(D) none of these

Rough work
18. In a botanical garden, the number of different types of plants found is as follows.

| Type of plant | Number of plants |
| :---: | :---: |
| Herb | 50 |
| Shrub | 60 |
| Creeper | 20 |
| Climber | 45 |

Which type of plant is maximum in number?
$1 \quad 1$
(A) Herb
(B) Shrub
(C) Creeper
(D) Climber
19. When one is added to the greatest four-digit number, what is the result?
(A) Greatest 5-digit number
(B) Smallest 5-digit number
(C) Greatest 4-digit number
(D) Smallest 4-digit number
20. If a number is divisible by two co-prime numbers, then it is also divisible by their
(A) sum
(B) difference
(C) produc $\dagger$
(D) quotient
21. If two lines intersect each other, then the common point between them is known as the point of
( )
(A) contact
(B) vertex
(C) intersection
(D) concurrence

## Rough work

22. A protractor is a semicircular curved model with $\qquad$ equal divisions used to measure and construct angles.
( )
(A) 180
(B) 90
(C) 360
(D) 270
23. A table showing the count of various items is called a
(A) bar graph
(B) frequency distribution table
(C) pictograph
(D) All the above
24. The product of two whole numbers is one if
(A) one number is 1
(B) both numbers are 1
(C) one number is not defined
(D) none of these
25. An angle greater than a straight angle and less than a complete angle is
( )
(A) an acute angle
(B) a right angle
(C) an obtuse angle
(D) a reflex angle
26. The two quantities $a$ and $b$ in the ratio $a: b$ are called
(A) antecedent and consequent
(B) consequent and antecedent
(C) antecedent and antecedent
(D) consequent and consequent
27. If 36 flats cost Rs. 68251500, the cost of each flat is

1 )
(A) Rs. 198670
(B) Rs. 135649
(C) Rs. 203456
(D) Rs. 1895875
28. A box contains 500000 medicine tablets each weighing 10 mg . what is the total weight of all the tablets in the box in kilograms?
( )
(A) $5,00,000$
(B) 50,000
(C) 5 kg
(D) 500 kg

Rough work

