SAT Duplicate Questions

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Test:FSPT14-15 Sec:2 Qn:1

If 5+a is 3 more than 5, what is the value of 5a?

1. -3
2. 3
3. 6
4. 15
5. 30

correct:4
Tags:Arithmetic, basic operation
Difficulty:1

Test:FSPT14-15 Sec:2 Qn:2

The result when a number is divided by 5 is the same as when the number is divided by 7. what is the number?

1. -7
2. 7
3. 0
4. 5
5. 7

correct:3
Tags:Arithmetic, Divisibility
Difficulty:1

Test:FSPT14-15 Sec:2 Qn:3

on the above image, if the page is folded along the dotted line, the left half of the letter **M** would exactly coincide with the right half of the letter. which of the following letters CANNOT be folded along a vertical line so that its left half would coincide with the right half?

1. **A**
2. **T**
3. **V**
4. **K**
5. **H**

correct:4
Tags:Geometry, Reflection
Difficulty:2

Test:FSPT14-15 Sec:2 Qn:4

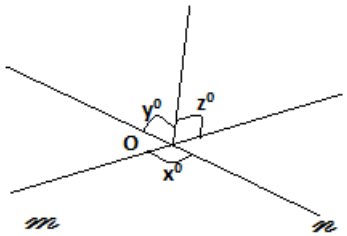


Image not drawn to scale

In the figure above, line m and line n intersect each other at point O. if $x = 130$ and $y = 60$, what is the value of z?

1. 60
2. 70
3. 100
4. 130
5. 190

correct:2

Tags:Geometry, Angles

Difficulty:1

Test:FSPT14-15 Sec:2 Qn:5

x	y
-2	1
0	5
2	9
5	15

which of the following equations is satisfied by the four pairs of numbers listed in the table above?

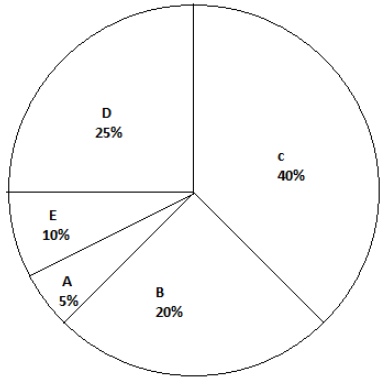
1. $y = x^2 + 5$
2. $y = 5 - x^2$
3. $y = x|x| + 5$
4. $y = 2x + 5$
5. $y = 5 - 2x$

correct:4

Tags:Algebra, Straight Line

Difficulty:1

Test:FSPT14-15 Sec: Qn:6



Grades of students in a class

Above pie diagram shows the percent of students in a class receiving different grades in a particular exam. If 2 students got grade A how many students got grade C?

1. 40
2. 20
3. 16
4. 8
5. 5

correct:3

Test:FSPT14-15 Sec:2 Qn:7

If a and b are positive integers and $4^a = 8^b$, what is the value of $\frac{a}{b}$?

1. $\frac{1}{3}$
2. $\frac{1}{2}$
3. $\frac{2}{3}$
4. 1
5. $\frac{3}{2}$

correct:5

Tags:Algebra, Indices, Ratio

Difficulty:2

Test:FSPT14-15 Sec:2 Qn:8

The printed price of a laptop is $480. Shop A sells the laptop at 30% less than the printed price. Shop B sells the product at 20% less than the printed price, but gives a further 10% discount on the selling price. How much money can Sam save by buying the laptop in shop A instead of buying it in shop B?

1. $0
2. $4.8
3. $9.6
4. $28.9
5. $48.0

correct:2
Tags:Arithmetic, percent
Difficulty:2

Test:FSPT14-15 Sec:2 Qn:9

if the function f is defined as $f(x) = 4x + 5$ the $2f(x) + 5$=?

1. $2x + 5$
2. $2x + 10$
3. $8x + 5$
4. $8x + 10$
5. $8x + 13$

correct:5
Tags:Algebra, functions
Difficulty:3

Test:FSPT14-15 Sec:2 Qn:10

Two sides of a triangle are given to be 4cm and 5cm. what is the maximum possible area of the triangle?

1. $4cm^2$
2. $6cm^2$
3. $10cm^2$
4. $12cm^2$
5. $20cm^2$

correct:3
Tags:Geometry, Triangle, Area
Difficulty: 3

Test:FSPT14-15 Sec:2 Qn:11

the girls and boys ratio in a class is 3 to 2. If there are 55 students in the class, how many boys are there?

1. 11
2. 22
3. 33
4. 44
5. 55

correct:3
Tags:Arithmetic, Ratio
Difficulty:3

Test:FSPT14-15 Sec:2 Qn:12

If x is chosen at random from first 25 positive integers, what is the probability that $3x + 8 <= 33$

1. 1
2. $\frac{11}{25}$
3. $\frac{1}{11}$
4. $\frac{1}{25}$
5. *frac*133

correct:2
Tags:Algebra, Inequality, probability
Difficulty:3

Test:FSPT14-15 Sec:2 Qn:15

If t is a positive integer, then how big is t^3 than t?

1. 1
2. t
3. t^2
4. $t(t+1)(t-1)$
5. t^3

correct:4
Tags:Algebra, factorization
Difficulty:4

Test:FSPT14-15 Sec:2 Qn:14

A hemispherical bowl has radius 3 cm. what is the linear distance of the bottom most point from the rim?

1. $3cm$
2. $\pi 3^2 cm$
3. $3\sqrt{2}cm$
4. $\frac{3\pi}{4}cm$
5. $18cm$

correct:3
Tags:Geometry, Pythagoras' Theorem, sphere
Difficulty:4

***Test:FSPT14-15 Sec:2 Qn:15

If x and y are positive integers with $x > y > 0$ such that $x^2 - y^2 = 24$ what of the following are possible values of $x + y$?
I. 6
II. 8
III. 10

1. only I
2. only II
3. only III
4. I and III
5. I, II and III

correct:3
Tags:Arithmetic, Factorization, number Properties
Difficulty:3

Test:FSPT14-15 Sec:2 Qn:16

1.
2.
3.
4.
5.

correct:
Tags:
Difficulty

Test:FSPT14-15 Sec:2 Qn:17

1.
2.
3.
4.
5.

correct:
Tags:
Difficulty

Test:FSPT14-15 Sec:2 Qn:18

1.
2.
3.
4.
5.

correct:
Tags:
Difficulty

Test:FSPT14-15 Sec:2 Qn:19

If a and b are positive integers, which of the following are equivalent to $(3a)^{6y} + (3a)^{2y}$?

1. $(3a)^{2y}((3a)^{4y} + 1)$
2. $(3a)^{2y}((3a)^{3}1+)$
3. $(3a)^{8y}$
4. $((3a)^{3} + (3a))^{2y}$
5. $((3a)^{6y})^{2y}$

correct:1

Tags:Algebra, indices

Difficulty:5

Test:FSPT14-15 Sec:2 Qn:20

x, y and x are three consecutive positive odd numbers. if the units digit of xz is 7, what is the units digit of y?

1. 1
2. 3
3. 5
4. 7
5. 9

correct:1
Tags:Arithmetic, Number properties
Difficulty:5

Test:FSPT14-15 Sec:6 Qn:1

$$3, 17, 31, \cdots$$

In the sequence above, the first term is 3 and each subsequent term is 14 more than the previous term. what will be the 14th term of the sequence?

1. 17
2. 182
3. 185
4. 196
5. 199

correct:3
Tags:Arithmetic, basic poperations, sequence
Difficulty:1

Test:FSPT14-15 Sec:6 Qn:2

if $(x-3)^2 = 36$ which of the following is a possible value of x?

1. -9
2. -6
3. -3
4. 3
5. 6

correct:3
Tags:Algebra, Indices, Number properties
Difficulty:1

Test:FSPT14-15 Sec:3 Qn:3

If the average of a and b is 25 and the average of x and y is 25, what is the average of a, b, x and y?

1. 6.25
2. 12.5
3. 25
4. 50
5. 100

correct:3
Tags:Arithmetic, average
Difficulty:3

***Test:FSPT14-15 Sec:6 Qn:4

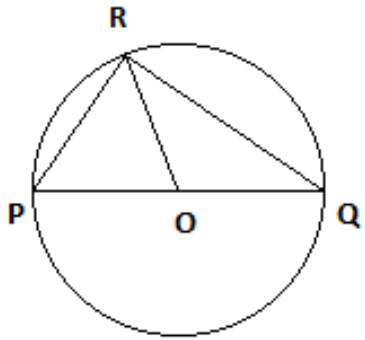
Every worker of Office A knows how to play chess

Assuming the above statement is true, which of the following must be TRUE?

1. If Mark knows how to play chess, then he is a worker of office A
2. If Bill doesn't work in office A, then he knows how to play chess
3. If Sam doesn't work in office A, then he knows how to play Chess
4. If Rosaline doesn't know how to play chess, then she doesn't work in office A.
5. If Jacob doesn't know how to play chess, then he works in office A.

correct:D
Tags: Data Analysis, Set theory(???), Logic
Difficulty:2

Test:FSPT14-15 Sec:6 Qn:5



In the image above O is the centre of the circle and PQ is a radius. If $\angle OPR = 50°$, what is the value of $\angle QRO$?

1. $10°$
2. $20°$
3. $40°$
4. $50°$
5. $60°$

correct:3

Tags:Geometry, Angles and Triangles, Circle

Difficulty:3

Test:FSPT14-15 Sec:6 Qn:6

which of the following is equal to $\left(xz + \frac{n}{y}\right)$

1. $\frac{x}{y}\left(yz + \frac{n}{x}\right)$
2. $\frac{x(z+n)}{y}$
3. $\frac{z}{y}(x + n)$
4. $\frac{xz+n}{y}$
5. $\frac{x}{y}(yz + n)$

correct:1

Tags:Algebra, Factorization

Difficulty:4

Test:FSPT14-15 Sec:6 Qn:7

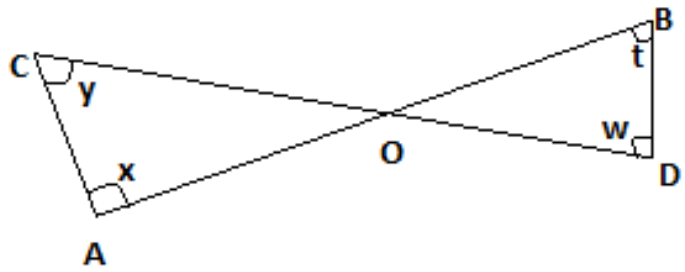


Image not to the scale

In the diagram above if $w = 60°$, $t = 50°$ and $y = 40°$ what is the value of x?

1. $40°$
2. $50°$
3. $60°$
4. $70°$
5. $80°$

correct:4

Tags:Geometry, Angles and Triangles

Difficulty:3

Test:FSPT14-15 Sec:6 Qn:8

1.
2.
3.
4.
5.

correct:
Tags:
Difficulty:

Test:FSPT14-15 Sec:8 Qn:1

A train went from station A to station B in 20 minute and from station B to station C in 35 minute. If the distance from A to B is 6km and the train had a uniform speed all through the journey, what is the distance from A to C?

1. 14.5Km
2. 10.5Km
3. 6Km
4. 4.5Km
5. 3Km

correct:1
Tags:Arithmetic, Rate and distance
Difficulty:1

Test:FSPT14-15 Sec:8 Qn:2

If (3a)b=6, 5(ab)=?

1. 30
2. 15
3. 10
4. 6
5. 2

correct:3
Tags:Arithmetic
Difficulty:1

Test:FSPT14-15 Sec:8 Qn:3

If 6 times a number is $\frac{3}{5}$, what is the number?

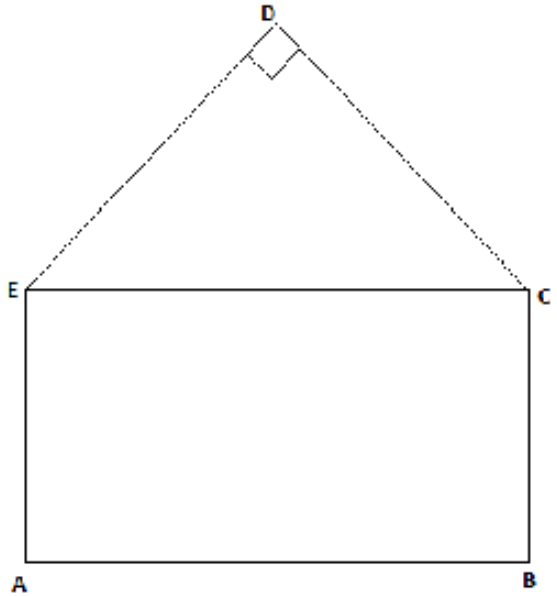
1. $\frac{1}{30}$
2. $\frac{1}{10}$
3. $\frac{1}{6}$
4. $\frac{1}{5}$
5. $\frac{3}{6}$

correct:2

Tags:Arithmetic, Basic Number Operations

Difficulty:1

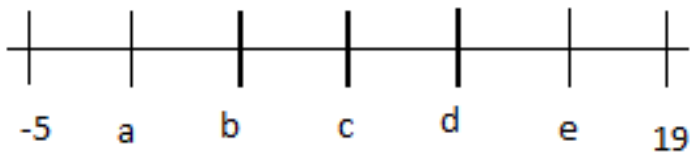
Test:FSPT14-15 Sec:8 Qn:4



In the diagram above $\triangle CED$ is a right angled triangle of area 8 and $\square ABCD$ is a rectangle of area 12. what is the perimeter of the polygon ABCDE?

1. 14
2. $4 + 4\sqrt{2}$
3. $18 + 4\sqrt{2}$
4. $10\sqrt{2}$

Test:FSPT14-15 Sec:8 Qn:5



The points on the above number lines are equidistant. which of the numbers has minimum absolute value?

1. a
2. b
3. c
4. d
5. e

correct:1
Tags:Arithmetic, Number Property
Difficulty:2

Test:FSPT14-15 Sec:8 Qn:6

12, 17, 4,15,5,11,14,x,19

if x is the unique median of these numbers, what is the possible value of x?

1. 7
2. 11
3. 12
4. 13
5. 14

correct:4
Tags:Statistics, Median
Difficulty:2

Test:FSPT14-15 Sec:8 Qn:7

Two circles of radius 13cm and 15cm intersect each other at P and Q. R and S are two poinds on the circumference of first and 2nd circle respectively. If PQ=24cm, what is the maximum possible length of RS?

1. 42cm
2. 24cm
3. 15cm
4. 14cm
5. 13cm

correct:1
Tags:Geometry, Circles
Difficulty:3

Test:FSPT14-15 Sec:8 Qn:8

Average per-day salary of Alice and Jane

	Jan	Feb	Mar
Alice	20	35	25
Jane	15	20	30

No of working Days

month	working days
Jan	23
Feb	20
Mar	21

The above two tables show the average per day salary in $ of Alice and Jane in the first three months of a year and the no. of working days in those months. Then, what was Jane's total income in $ in those 3 months?

1. 3060
2. 1685

Test:FSPT14-15 Sec:8 Qn:9

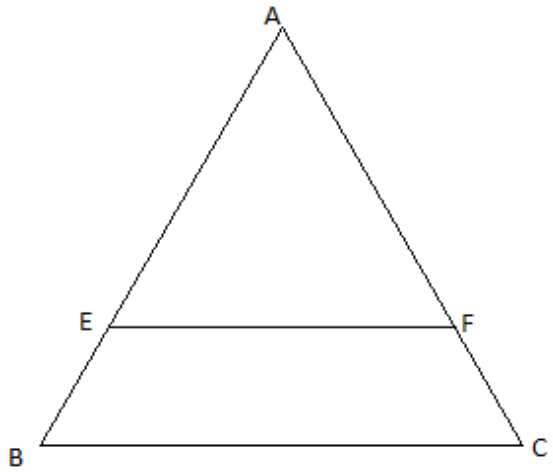


Image not drawn to scale

In the image above, $\triangle ABC$ is a equilateral triangle. E and F are the mid point of AB and AC respectively. If $AB = 4cm$, $EF =$?

1. 4cm
2. 3cm
3. 2cm
4. 1cm
5. Cant be determined from the information given

correct:2

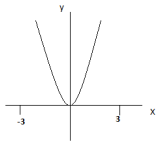
Test:FSPT14-15 Sec:8 Qn:10

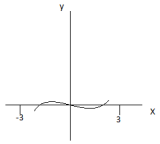
1.
2.
3.
4.
5.

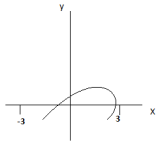
correct:
Tags:
Difficulty:

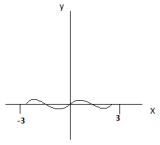
Test:FSPT14-15 Sec:8 Qn:11

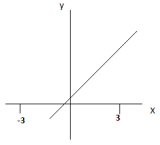
Which of the following functions has exactly 3 roots in (-3,3) region?

1. 

2. 

3. 

4. 

5. 

correct:2

Tags:Algebra, functions, graph

Difficulty:3

Test:FSPT14-15 Sec:8 Qn:12

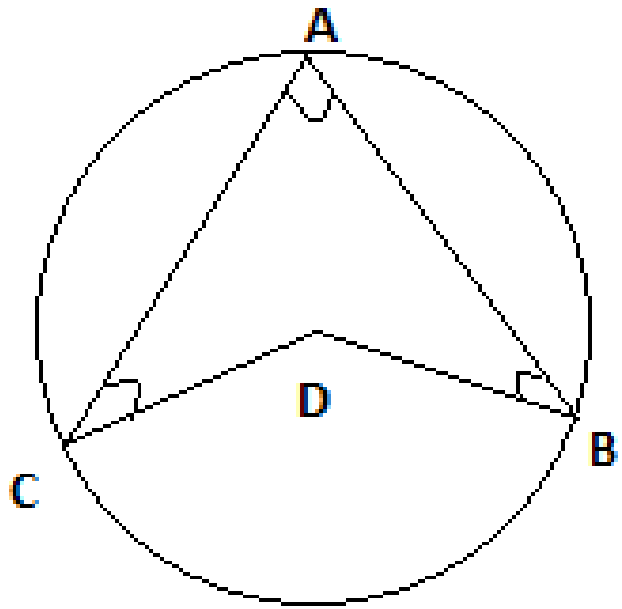


figure not to scale

In the above figure, $\angle CAB = 40°$, $\angle ACD = \angle ABD = 30°$. $\angle CDB$ (outside the quadrilateral)=?

1. $60°$
2. $80°$
3. $100°$

Test:FSPT14-15 Sec:8 Qn:13

if x and y are integers with $5 < y < 15$ such that $\frac{x}{y} = \frac{3}{7}$ then how many different values of x are possible?

1. 1
2. 2
3. 3
4. 4
5. 6

correct:2
Tags:Arithmetic, ratio, Basic operations
Difficulty:3

Test:FSPT14-15 Sec:8 Qn:14

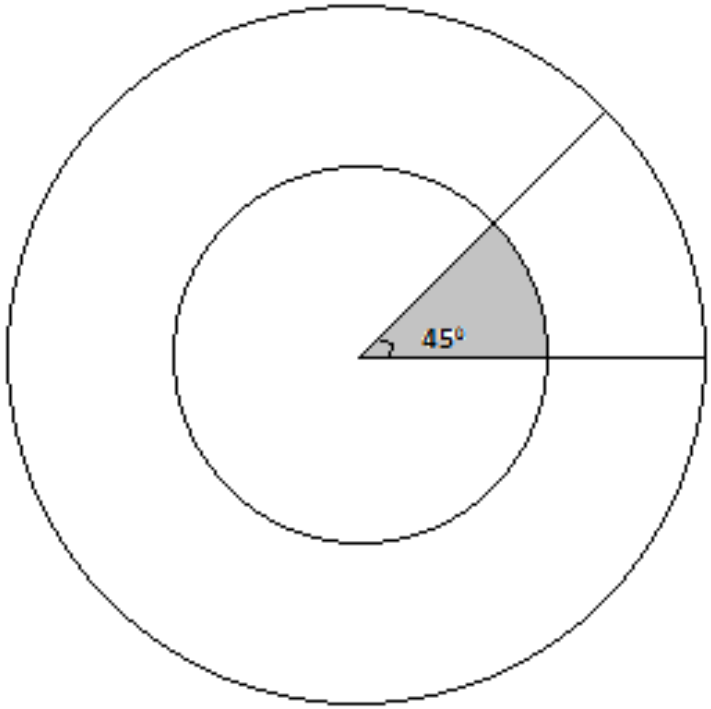
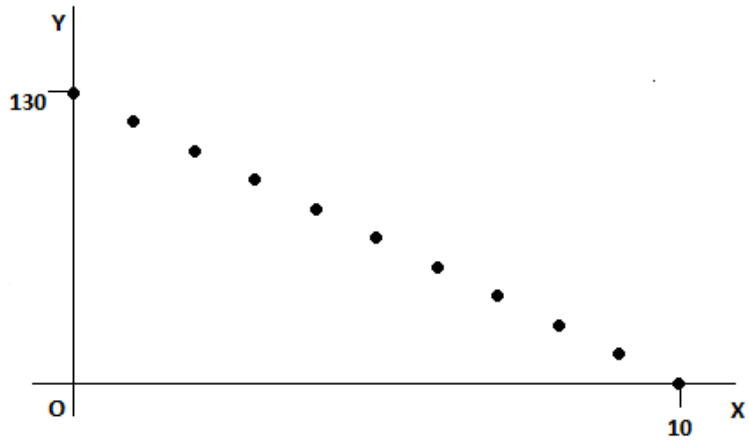


Image not drawn to scale

In the diagram above, the two circles have same centre and the radius of the inner circle is 1/3rd of that of the outer circle. If the outer circle has area 144 sq.cm, what is the area of the shaded region?

1. 72 sq.cm.

Test:FSPT14-15 Sec:8 Qn:15



Which of the following straight lines does the above graph represent?

1. $y = 10x - 130$
2. $x = 10y - 130$
3. $y = 13x - 130$
4. $y = 13x + 130$
5. $y = 130 - 13x$

correct:5

Tags:ALgebra, Straight line

Difficulty:5

Test:FSPT14-15 Sec:8 Qn:16

Let $\#x$ denote $x^2 - 2x$. Let $\#x = c$ for some integer x. wwhich of the following is not a possible value of c?

1. -1
2. 0
3. 3
4. 6
5. 8

correct:4
Tags:Algebra, Factorization
Difficulty:5

Test:OSPT13-14 Sec:2 Qn:1

If 5×10^n=500,000, what is the value of n?

1. 1
2. 2
3. 3
4. 4
5. 5

correct:5
Tags:Arithmetic, basic operations, indices
Difficulty:1

Test:OSPT13-14 Sec:2 Qn:2

Sarah's wage is $\$x$ per week, John's wage is \$10 more than Sarah's wage, Mathew's wage is three times of Jhon's wage. what is Mathew's wage per week, in terms of x?

1. $3x + 10$
2. $3x - 10$
3. $3x + 30$
4. $3x - 30$
5. $x + 30$

correct:3
Tags:Arithmetic, Basic operations
Difficulty:1

Test:OSPT13-14 Sec:2 Qn:3

If both x and y are natural numbers what are the possible solutions of the equation 3x+4y=17?

1. Only (2,3)
2. only(3,2)
3. only(2,2)
4. (2,2) and (3,2)
5. (2,2) and (2,3)

correct:2
Tags:Arithmetic, Number properties
Difficulty:1

Test:OSPT13-14 Sec:2 Qn:4

If the relation between total distance covered in meter(s) and the time of travel in second(t) of a bullet train is given by $s = 5t + 8t^2$, how much distance will it cover in 12 second?

1. 144m
2. 204m
3. 156m
4. 1152m
5. 1212m

correct:5
Tags:Arithmetic, Basic Operations
Difficulty:1

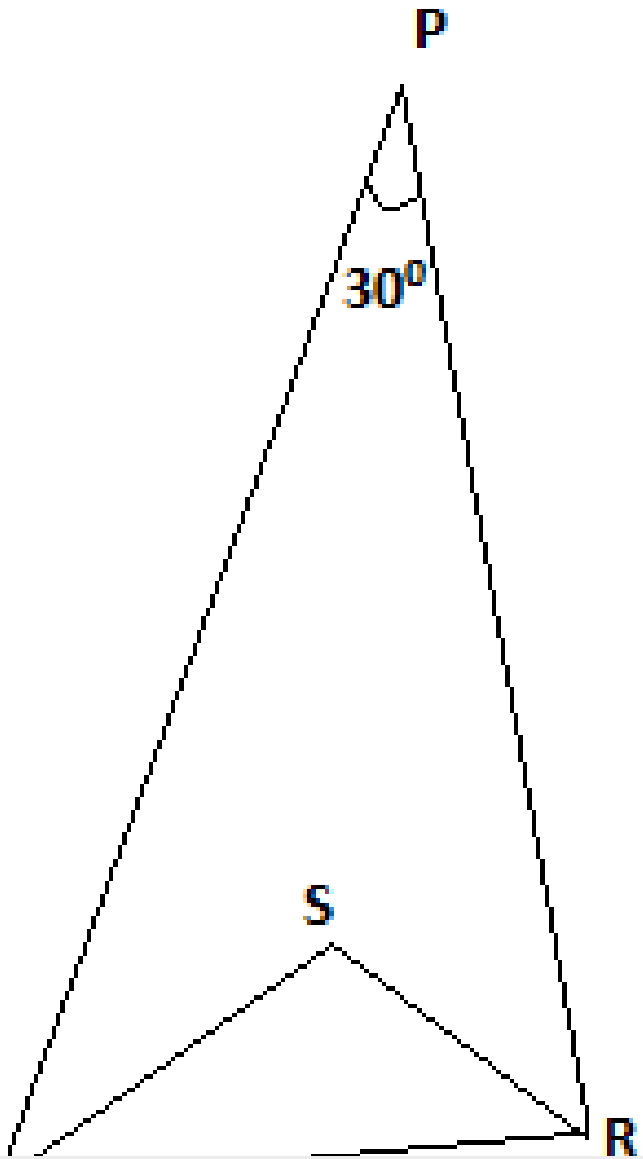
Test:OSPT13-14 Sec:2 Qn:5

What is the arithmetic mean of $9 - 3x$, 9 and $9 + 3x$?

1. 3
2. 9
3. 9+x
4. 3+x
5. 3-x

correct:2
Tags:Arithmetic, Average
Difficulty:2

Test:OSPT13-14 Sec:2 Qn:6



Test:OSPT13-14 Sec:2 Qn:7

A special Industrial fuel is made by mixing Gasolin, Methyl alcohol and ethanol in the ratio of 3:5:2. what fraction of the fuel is methanol?

1. $\frac{3}{5}$
2. $\frac{2}{5}$
3. $\frac{3}{10}$
4. $\frac{2}{8}$
5. $\frac{1}{5}$

correct:5

Tags:Arithmetic, Fraction and Ratio

Difficulty:2

Test:OSPT13-14 Sec:2 Qn:8

in the diagram above, the square ABCD is inscribed in the circle with centre O. If AO=1cm, what is the length of the arc $\overset{\frown}{AB}$?

1. 2π cm
2. π cm
3. *frac*$\pi 2$ cm
4. $\frac{\pi}{3}$ cm
5. $\frac{\pi}{4}$ cm

correct:3
Tags:Geometry, Circle, Perimeter
Difficulty:3

Test:OSPT13-14 Sec:2 Qn:9

If A is a subset of B, which of the folowing Can't be true?

1. If a is in A, then a is in B
2. If b is not in B, b is not in A
3. c is not in A but in B
4. d is in B but not in A
5. e is neither in A nor in B

correct:4
Tags:Statistics and data analysis, Set
Difficulty:3

Test:OSPT13-14 Sec:2 Qn:10

min how many tiles of length 3 cm and width 2 cm is required to pave a region of length 6 cm and width 5 cm?

1. 4
2. 5
3. 6
4. 7
5. Its not possible to pave the area using the given tiles

correct:2
Tags: Geometry, quadrilateral, area
Difficulty:2

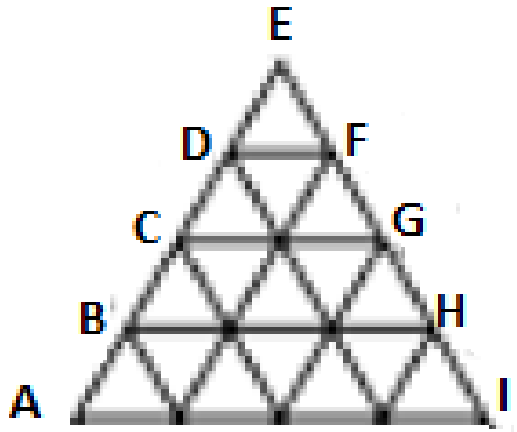
Test:OSPT13-14 Sec:2 Qn:11

FOr some $c \neq 0$, $\frac{3}{x} = \frac{3-a}{x-a}$. what is the possible valu of x?

1. 0
2. 3
3. c
4. 3-c
5. 3+c

correct:2
Tags:Arithmetic, basic operations, fraction
Difficulty:3

Test:OSPT13-14 Sec:2 Qn:12



In the above diagram $\triangle AEI$ is made of 16 smaller triangle which are congruent to each other. if are of $\triangle CEG$ is 4 sq.cm, what is the area of $\triangle AEI$?

1. 1 sq.cm.
2. 4 sq.cm.
3. 8 sq.cm.
4. 9 sq.cm.
5. 16 sq.cm.

Test:OSPT13-14 Sec:2 Qn:13

$$2x + 6y + 10z = 11$$
$$4x + 21y + 35z = 43$$

If the pair of equations is true, what is the value of $3x + 5y$?

1. 32
2. 21
3. 14
4. 7
5. 3

correct:4
Tags:Algebra, Solving equation
Difficulty:3

Test:OSPT13-14 Sec:2 Qn:14

m number of candies are to be distributed among all the children present in a party. there were 6 children attending the party, but one of them left early. How many candies(in terms of m) will each child get extra because of that one child leaving early?

1. $\frac{m}{30}$
2. $\frac{m}{12}$
3. $\frac{m}{6}$
4. $\frac{m}{5}$
5. $\frac{2m}{5}$

correct:1

Tags:Arithmetic, Fractions

Difficulty:4

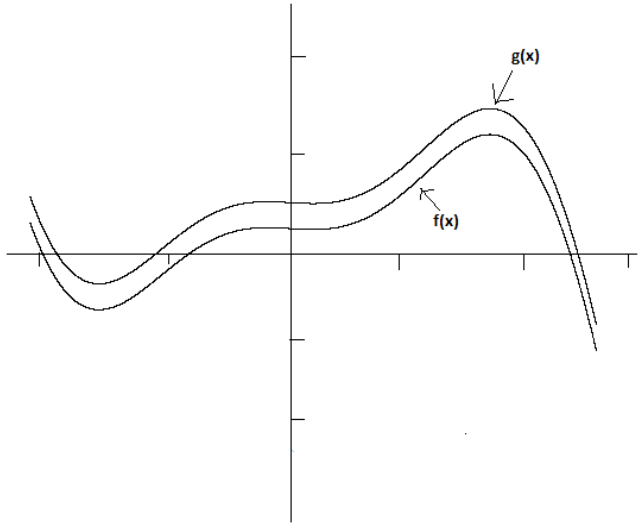
Test:OSPT13-14 Sec:2 Qn:15

if $y = 3x - 5$ and $x < 3$ which of the following shows the possible values of y?

1. $y > 4$
2. $y < 4$
3. $y < -2$
4. $y > -2$
5. $-2 < y < 4$

correct:2
Tags:Arithmetic, Inequality
Difficulty:4

Test:OSPT13-14 Sec:2 Qn:16



The above diagram shows two functions $f(x)$ and $g(x)$ in the region (-2,2) which of the following relations between $f(x)$ and $g(x)$ is possible?

1. $g(x) = f(x) + 1$
2. $g(x) = f(x + 1)$
3. $g(x) = f(x) - 1$
4. $g(x) = f(x - 1)$
5. $g(x) = f(x - 1) + 1$

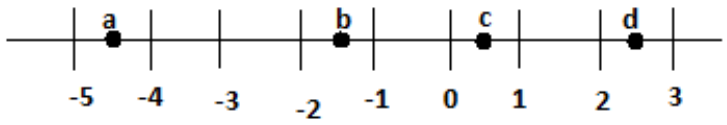
correct:1

Test:OSPT13-14 Sec:2 Qn:17

1.
2.
3.
4.
5.

correct:
Tags:
Difficulty:

Test:OSPT13-14 Sec:2 Qn:18



If a, b, c, d are located on the number line as shown in the above figre, which of the following has maximum value?

1. —a+b—
2. —a-b—
3. —a-c—
4. —a+d—
5. —b-d—

correct:3
Tags:Arithmetic, Number Properties
Difficulty:4

Test:OSPT13-14** Sec:2 Qn:19

Above diagram shows the number of boarders in a hotel in 5 consecutive days. Each unit on the vertical axis represents 10 boarders. If the number of calls decreased by 20% from day 2 to day 3, how many boarders were there in the hotel at day 5?

1. 20
2. 30
3. 40
4. 50
5. 60

correct:30
Tags:Arithmetic, Percent, Graph
Difficulty:5

Test:OSPT13-14 Sec:2 Qn:20

Let $x * y = xy + x + y + 1$. Then which of the following must be true?

I $x * y = y * x$

II $(x * y) * = x * (y * z)$

III $(x + y) * z = z * y + y * z$

1. I only
2. II only
3. III only
4. I and II
5. I, II and III

correct:1
Tags:Algebra, Function, Relations
Difficulty:5

Test:OSPT13-14 Sec:6 Qn:1

if $a + b = 15$ and $c(a + b) = 75$), what is the value of c?

1. 3
2. 5
3. 7
4. 15
5. 75

correct:2
Tags:Arithmetic, Basic operations
Difficulty:1

Test:OSPT13-14 Sec:6 Qn:2

if 10 is subtracted from one third of a number, the result becomes 5. what is the number?

1. 45
2. 30
3. 25
4. 15
5. 5

correct:1
Tags:Arithmetic, Basi Operations
Difficulty:1

Test:OSPT13-14 Sec:8 Qn:

1.
2.
3.
4.
5.

correct:
Tags:
Difficulty:

Test:OSPT13-14 Sec:2 Qn:4

x	y
1	5
2	8.7
3	12.4
4	16.1

Wich of the following equations satisfy all the four points given above?

1. $y = 3.7x + 5$
2. $y = 5x$
3. $y = 1.3x + 3.7$
4. $y = 3.7x + 1.3$
5. $y = 3x + 2$

correct:4

Tags:Algebra, Straight line

Difficulty:2

Test:OSPT13-14 Sec:6 Qn:5

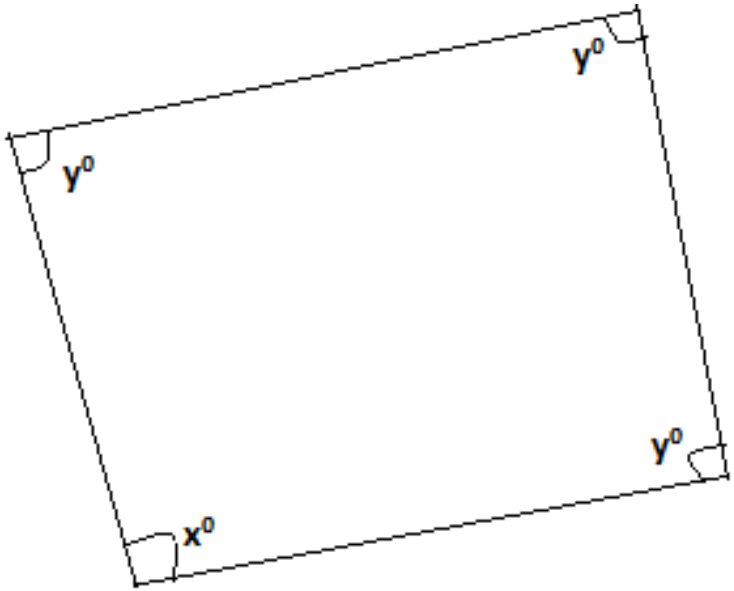


Image not drawn to scale

which of the following is a possible valur=e for x?

1. 110
2. 170
3. 290
4. 330
5. 390

Test:OSPT13-14 Sec:6 Qn:6

The minimum and maxumum of 7 real numbers is 3 and 15. If 5 be the unique mode and 8 be the median, which of the following is possible value of arithmetic mean of the 7 numbers?

I 7.5

II 8

III 9

1. Only I
2. Only II
3. I and II
4. I and III
5. I, II and III

correct:5

Tags:Data Analysis

Difficulty:5

Test:OSPT13-14 Sec:6 Qn:7

In the XY plane, how many points have 5 unit distance from the point (3,4)?

1. None
2. 1
3. 2
4. 3
5. more than 3

correct:5
Tags:Geometry, Co-ordinate Geometry, Circle
Difficulty:4

Test:OSPT13-14 Sec:6 Qn:8

1.
2.
3.
4.
5.

correct:
Tags:
Difficulty:

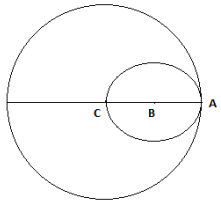
Test:OSPT13-14 Sec:9 Qn:1

If $\frac{2}{5}y + 12 = 0$ then $y =$?

1. -60
2. -30
3. -12
4. 30
5. 60

correct:2
Tags:Arithmetic, Basic operations
Difficulty:1

Test:OSPT13-14 Sec:9 Qn:2



In the above figure A, B and C lie on the same straight line. C is the centre of the bigger circle and B is the centre of the inner circle. If the radius of the inner circle is 4cm, what is the radius of the outer circle?

1. 2 cm
2. 3 cm
3. 4 cm
4. 6 cm
5. 8 cm

correct:5

Tags:Geometry, Circle

Test:OSPT13-14 Sec:9 Qn:3

Fred used $\frac{3}{5}$th of the total money he head to buy a new mobile phone. If the phone costs $360, how much money does Fred have now?

1. $1800
2. $1440
3. $600
4. $240
5. $200

correct:4
Tags:Arithmetic, fraction
Difficulty:1

Test:OSPT13-14 Sec:9 Qn:4

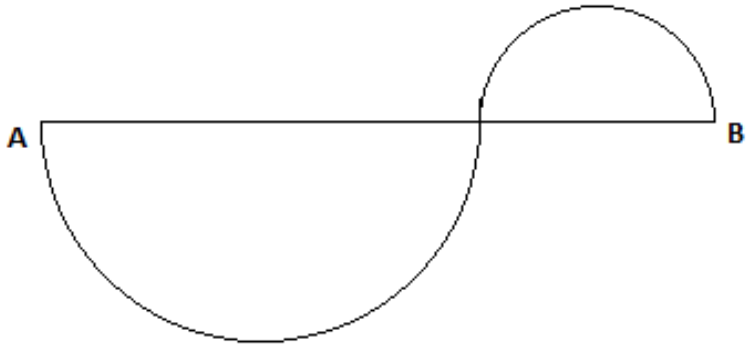
3,5,8,13,21,34

In the above sequence, first term is 3, 2nd term is 5. Which of the following rules gives each successive terms?

1. Add 3 to the preceding number
2. Double the preceding number and subtract 2
3. Add the two immediate preceding numbers.
4. Add the first number of the sequence to the preceding term
5. subtract 1 from the preceding number and then double it

correct:3
Tags: Arithmetic, Basic Operation, sequence
Difficulty:1

Test:OSPT13-14 Sec:9 Qn:5



The linear distance from point A to B is 20km. But the only road joining these two points is the one formed by the perimeter of the two semi-circles. WHat is the by-road distance between A and B?

1. 40π
2. 20π
3. 10π
4. 5π
5. π

correct:2

Tags:Geometry, Circle

Test:OSPT13-14 Sec:9 Qn:6

if $x + y = 5$ then $\frac{5-x}{y} = ?$

1. 1
2. -1
3. 0
4. y
5. x-1

correct:1
Tags:Arithmetic, Basic operation
Difficulty:2

Test:OSPT13-14 Sec:8 Qn:

1.
2.
3.
4.
5.

correct:
Tags:
Difficulty:

Test:OSPT13-14 Sec:8 Qn:

1.
2.
3.
4.
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correct:
Tags:
Difficulty:

Test:OSPT13-14 Sec:8 Qn:

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Tags:
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4.
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correct:
Tags:
Difficulty:

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