www.Padasalai.Net www.TrbTnpsc.com 5. The least number that is divisible by all the numbers from 1 to 10 (both inclusive) is (A) 2025 (B) 5220 (C) 5025 (D) 2520 6. $7^{4k} \equiv \underline{\hspace{1cm}} \pmod{100}$ **MATHEMATICS** (C) 3 (D) 4 (A) 1 (B) 2 **BOOK BACK ONE MARK QUESTION PAPER** 7. Given $F_1 = 1$, $F_2 = 3$ and $F_n = F_{n-1} + F_{n-2}$ then F_5 is RELATIONS AND (B)5 (C)8 (D)11 **FUNCTIONS** The first term of an arithmetic progression is unity and the common difference is 4. 1. If $n(A \times B) = 6$ and $A = \{1,3\}$ then n(B) is Which of the following will be a term of this A.P. (D) 6 (B) 2 (B) 10091 (D) 13531 2. $A = \{a, b, p\}, B = \{2, 3\}, C = \{p, q, r, s\} \text{ then } n[(A \cup C) \times B] \text{ is }$ 9. If 6 times of 6th term of an A.P. is equal to 7 times the 7th term, then the 13th term of the A.P. is (D) 16 (B) 6 (C)7(D) 13 (B) 20 (C) 12 10. An A.P. consists of 31 terms. If its 16^{th} term is m, then the sum of all the terms of 3. If $A = \{1,2\}$, $B = \{1,2,3,4\}$, $C = \{5,6\}$ and $D = \{5,6,7,8\}$ then state which of the following statement is true. this A.P. is (A) 16 m (B) $(B \times D) \subset (A \times C)$ (A) $(A \times C) \subset (B \times D)$ 2 11. In an A.P., the first term is 1 and the common difference is 4. How many terms of the (D) $(D \times A) \subset (B \times A)$ $(C)(A \times B) \subset (A \times D)$ A.P. must be taken for their sum to be equal to 120? 4. If there are 1024 relations from a set $A = \{1, 2, 3, 4, 5\}$ to a set B, then the number of (C) 8 elements in B is 12. If $A = 2^{65}$ and $B = 2^{64} + 2^{63} + 2^{62}$ $+2^{\circ}$ which of the following is true? (B) 2 (A) B is 2^{64} more than A(B) A and B are equal 5. The range of the relation $R = \{(x, x^2)\}$ x is a prime number less than 13} is (D) A is larger than B by 1(C) B is larger than A by 1 $(A) \{2,3,5,7\}$ (B) {2,3,5,7,11} 13. The next term of the sequence (C) {4,9,25,49,121} (D) {1,4,9,25,49,121} (C) $\frac{2}{1}$ (A) $\frac{1}{24}$ 6. If the ordered pairs (a + 2, 4) and (5, 2a)+b) are equal then (a,b) is (B) 27 (B) (5,1) (A)(2,-2)(C)(2,3)(D)(3,-2)14. If the sequence t_0, t_2, t_3, \dots are in A.P. then the sequence $t_0, t_{12}, t_{18}, \dots$ is (A) a Geometric Progression 7. Let n(A) = m and n(B) = n then the total number of non-empty relations that can (B) an Arithmetic Progression be defined from A to B is (C) neither an Arithmetic Progression nor a Geometric Progression (D) a constant sequence (C) $2^{mn} - 1$ 15. The value of $(1^3 + 2^3 + 3^3 + \dots + 15^3) - (1 + 2 + 3 + \dots + 15)$ is 8. If $\{(a,8),(6,b)\}$ represents an identity function, then the value of a and b are respectively (C) 14280 (A) 14400 (B) 14200 (D) 14520 (C)(6,8)9. Let $A = \{1, 2, 3, 4\}$ and $B = \{4, 8, 9, 10\}$. A function $f: A \to B$ given by $f = \{(1,4),(2,8),(3,9),(4,10)\}$ is a 1. A system of three linear equations in three variables is inconsistent if their planes (A) Many-one function (B) Identity function (A) intersect only at a point (B) intersect in a line (C) One-to-one function (D) Into function 10. If $f(x) = 2x^2$ and $g(x) = \frac{1}{3x}$, then $f \circ g$ is (D) do not intersect (C) coincides with each other 2. The solution of the system x + y - 3z = -6, -7y + 7z = 7, 3z = 9 is (A) x = 1, y = 2, z = 3(B) x = -1, y = 2, z = 311. If $f: A \to B$ is a bijective function and if n(B) = 7, then n(A) is equal to (C) x = -1, y = -2, z = 3(D) x = 1, y = -2, z = 3(B) 49 (C) 1 (D) 14 3. If (x-6) is the HCF of $x^2-2x-24$ and x^2-kx-6 then the value of k is 12. Let f and g be two functions given by (B) 5 $f = \{(0,1),(2,0),(3,-4),(4,2),(5,7)\}$ $3y-3 \cdot 7y-7$ is $g = \{(0,2),(1,0),(2,4),(-4,2),(7,0)\}$ then the range of $f \circ g$ is (C) {1,2,3,4,5} (A) {0,2,3,4,5} (B) $\{-4,1,0,2,7\}$ (D) {0,1,2} 13. Let $f(x) = \sqrt{1 + x^2}$ then (A) f(xy) = f(x).f(y)(B) $f(xy) \ge f(x).f(y)$ (D) None of these (C) $f(xy) \le f(x).f(y)$ 14. If $g = \{(1,1),(2,3),(3,5),(4,7)\}$ is a function given by $g(x) = \alpha x + \beta$ then the values of α and β are (A) (-1,2) (B)(2,-1)(C) (-1, -2) $x^2 - 7x + 40$ $x^2 + 7x + 40$ 15. $f(x) = (x+1)^3 - (x-1)^3$ represents a function which is (x-5)(x+5)(x-5)(x+5)(x+1)(A) linear (B) cubic (C) reciprocal (D) quadratic NUMBERS AND SEQUENCES 7. The square root of $\frac{256x}{x}$ 1. Euclid's division lemma states that for positive integers a and b, there exist unique integers q and r such that a = bq + r, where r must satisfy. (B) 0 < r < b(C) $0 \le r < b$ 2. Using Euclid's division lemma, if the cube of any positive integer is divided by 9 then 8. Which of the following should be added to make $x^4 + 64$ a perfect square the possible remainders are (B) 16x2 (C) $8x^2$ (B) 1, 4, 8 (C) 0, 1, 3(D) 1, 3, 5 9. The solution of $(2x-1)^2 = 9$ is equal to 3. If the HCF of 65 and 117 is expressible in the form of 65m - 117, then the value of m is

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(A) 100,120

(B) 2

(C) 1

The sum of the exponents of the prime factors in the prime factorization of 1729 is

(D) 3

(D) 4

(B) 2

(B) 10,12

(C) -1, 2

(C) -120,100

The values of a and b if $4x^4 - 24x^3 + 76x^2 + ax + b$ is a perfect square are

(D) None of these

(D) 12,10

(D) 12.8 m

(D) chord

(D) 130°

(D) none of these

(B) parallel to Y axis

(D) 12

(D) (4.4)

Two poles of heights 6 m and 11 m stand vertically on a plane ground. If the distance 11. If the roots of the equation $q^2x^2 + p^2x + r^2 = 0$ are the squares of the roots of the between their feet is 12 m, what is the distance between their tops? equation $qx^2 + px + r = 0$, then q, p, r are in _ (A) 13 m (B) 14 m (C) 15 m (B) G.P (C) Both A.P and G.P 10. In the given figure, PR = 26 cm, QR = 24 cm, 12. Graph of a linear equation is a _ $\angle PAQ = 90^{\circ}$, PA=6 cm and QA=8 cm. Find $\angle PQR$ (B) circle (C) parabola (D) hyperbola (A) straight line (B) 85° (C) 75° 13. The number of points of intersection of the quadratic polynomial $x^2 + 4x + 4$ with 11. A tangent is perpendicular to the radius at the the X axis is (B) point of contact (C) infinity (A) centre (A) 0 (B) 1 (C) 0 or 1 (D) 2 12. How many tangents can be drawn to the circle from an exterior point? 1 3 5 7 (B) two (C) infinite 14. For the given matrix $A = \begin{bmatrix} 2 & 4 & 6 & 8 \end{bmatrix}$ the order of the matrix A^T is The two tangents from an external points P to a circle with centre at O are PA and 9 11 13 15 *PB.* If $\angle APB = 70^{\circ}$ then the value of $\angle AOB$ is (A) 2×3 (B) 3×2 (C) 3×4 (D) 4×3 (A) 100° (B) 110° 15. If A is a 2×3 matrix and B is a 3×4 matrix, how many columns does AB have In figure CP and CQ are tangents to a circle with centre at Q. ARB is another tangent touching the circle at R. If CP = 11 cm (B) 4 (C) 2 and $BC = 7\,$ cm, then the length of BR is 16. If number of columns and rows are not equal in a matrix then it is said to be a (A) 6 cm (B) 5 cm (B) rectangular matrix (A) diagonal matrix (C) 8 cm (D) 4 cm (D) identity matrix (C) square matrix 15. In figure if PR is tangent to the circle at P and O is the 17. Transpose of a column matrix is centre of the circle, then $\angle POQ$ is (A) unit matrix (B) diagonal matrix (B) 100° (A) 120° (C) column matrix (D) row matrix (C) 110° 18. Find the matrix X if 2XCOORDINATE GEO 1. The area of triangle formed by the points (-5,0), (0,-5) and (5,0) is (B) 25 sq.units (C) 5 sq.units 19. Which of the following can be calculated from the given matrices (A) 0 sq.units 2. A man walks near a wall, such that the distance between him and the wall is 10 units. $\begin{bmatrix} 4 & 5 & 6 \end{bmatrix}$, (i) A^2 (ii) B^2 (iii) AB (iv) BAConsider the wall to be the Y axis. The path travelled by the man is (B) y = 10 (C) x = 03. The straight line given by the equation x = 11 is (A) (i) and (ii) only (B) (ii) and (iii) only (A) parallel to X axis (C) (ii) and (iv) only (D) all of these (C) passing through the origin (D) passing through the point (0,11)20. If $A = \begin{pmatrix} 1 & 2 & 3 \\ 3 & 2 & 1 \end{pmatrix}$, $B = \begin{pmatrix} 1 & 0 \\ 2 & -1 \\ 0 & 2 \end{pmatrix}$ and $C = \begin{pmatrix} 0 & 1 \\ -2 & 5 \end{pmatrix}$. Which of the following statements 4. If (5,7), (3,p) and (6,6) are collinear, then the value of p is (B) 6 (C) 9 5. The point of intersection of 3x - y = 4 and x + y = 8 is are correct? (i) $AB+C=\begin{bmatrix} 5 & 5 \\ 5 & 5 \end{bmatrix}$ (A) (5,3) (B) (2,4)(C)(3,5)6. The slope of the line joining (12,3), (4,a) is $\frac{1}{8}$. The value of 'a' is (B) 4 (C) -5 (iv) $(AB)C = \begin{bmatrix} -8 & 20 \\ -8 & 13 \end{bmatrix}$ The slope of the line which is perpendicular to a line joining the points (0,0) and (-8.8) is (A) (i) and (ii) only (B) (ii) and (iii) only (C) $\frac{1}{3}$ (C) (iii) and (iv) only (D) all of these 8. If slope of the line PQ is $\frac{1}{\sqrt{3}}$ then slope of the perpendicular bisector of PQ is <u>GEOMETRY</u> (A) $\sqrt{3}$ (B) $-\sqrt{3}$ 1. If in triangles ABC and EDF, $\frac{AB}{DE} = \frac{BC}{FD}$ then they will be similar, 9. If A is a point on the Y axis whose ordinate is 8 and B is a point on the X axis whose when abscissae is 5 then the equation of the line AB is (A) 8x + 5y = 40 (B) 8x - 5y = 40 (C) x = 8(B) $\angle A = \angle D$ (A) $\angle B = \angle E$ $(C) \angle B = \angle D$ (D) $\angle A = \angle F$ 10. The equation of a line passing through the origin and perpendicular to the line 2. In ΔLMN , $\angle L = 60^{\circ}$, $\angle M = 50^{\circ}$. If $\Delta LMN \sim \Delta PQR$ then the value of $\angle R$ is 7x - 3y + 4 = 0 is (B) 70° (C) 30° (A) 7x - 3y + 4 = 0 (B) 3x - 7y + 4 = 0 (C) 3x + 7y = 03. If $\triangle ABC$ is an isosceles triangle with $\triangle C=90^\circ$ and AC=5 cm, then AB is (A) 2.5 cm (B) 5 cm (C) 10 cm (D) $5\sqrt{2}$ cm 11. Consider four straight lines (C) 10 cm (B) 5 cm (i) l_1 ; 3y = 4x + 5 (ii) l_2 ; 4y = 3x - 1(iii) l_3 ; 4y + 3x = 7 (iv) l_4 ; 4x + 3y = 24. In a given figure $ST \parallel QR$, PS = 2 cm and SQ = 3 cm. Which of the following statement is true? Then the ratio of the area of ΔPQR to the area of ΔPST is (B) $l_{\scriptscriptstyle 1}$ and $l_{\scriptscriptstyle 4}$ are parallel (A) l_1 and l_2 are perpendicular (B) 25 : 7 (D) 25 : 13 (A) 25:4 (C) l_2 and l_4 are perpendicular (D) l_2 and l_3 are parallel (C) 25:11 12. A straight line has equation 8y = 4x + 21. Which of the following is true 5. The perimeters of two similar triangles ΔABC and ΔPQR are 36 cm and 24 cm (A) The slope is 0.5 and the y intercept is 2.6 respectively. If PQ = 10 cm, then the length of AB is (B) The slope is 5 and the *y* intercept is 1.6 (B) $\frac{10\sqrt{6}}{10\sqrt{6}}$ cm (C) $66\frac{2}{3}$ cm (C) The slope is 0.5 and the y intercept is 1.6 **99947** (D) The slope is 5 and the y intercept is 2.6 6. If in $\triangle ABC$, $\overrightarrow{DE} \parallel BC$. AB=3.6 cm, AC=2.4 cm and AD=2.1 cm then the 13. When proving that a quadrilateral is a trapezium, it is necessary to show length of AE is (A) Two sides are parallel. (B) Two parallel and two non-parallel sides. (C) 1.2 cm (D) 1.05 cm (A) 1.4 cm (B) 1.8 cm (C) Opposite sides are parallel. (D) All sides are of equal length. 7. In a $\triangle ABC$, AD is the bisector of $\angle BAC$. If AB=8 cm, BD=6 cm and DC=3 cm. 14. When proving that a quadrilateral is a parallelogram by using slopes you must find The length of the side AC is (A) The slopes of two sides (B) The slopes of two pair of opposite sides (B) 4 cm (C) 3 cm (D) 8 cm (A) 6 cm (C) The lengths of all sides (D) Both the lengths and slopes of two sides 8. In the adjacent figure $\angle BAC = 90^{\circ}$ and $AD \perp BC$ then 15. (2, 1) is the point of intersection of two lines.

(A) x - y - 3 = 0; 3x - y - 7 = 0

(B) x + y = 3; 3x + y = 7

(A) $BD \cdot CD = BC^2$ (B) $AB.AC = BC^2$

(D) $AB \cdot AC = AD^2$

(C) $BD \cdot CD = AD^2$

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TRIGONOMETRY

1	The value of $\sin^2 \theta$ +	1	is equal to
1.	The value of Shi v	$1 + \tan^2 \theta$	io equal to

(A) $\tan^2 \theta$

(C) $\cot^2 \theta$

(D) 0

2. $\tan \theta \csc^2 \theta - \tan \theta$ is equal to

(B) $\cot^2 \theta$

(C) $\sin \theta$

(D) $\cot \theta$

3. If $(\sin \alpha + \csc \alpha)^2 + (\cos \alpha + \sec \alpha)^2 = k + \tan^2 \alpha + \cot^2 \alpha$, then the value of k is equal to

(A) 9

(B) 7

(C) 5

4. If $\sin \theta + \cos \theta = a$ and $\sec \theta + \csc \theta = b$, then the value of $b(a^2-1)$ is equal to (A) 2a (B) 3a (C) 0

(D) 2ab

5. If $5x = \sec \theta$ and $\frac{5}{x} = \tan \theta$, then $x^2 - \frac{1}{x^2}$ is equal to

6. If $\sin \theta = \cos \theta$, then $2 \tan^2 \theta + \sin^2 \theta - 1$ is equal to

7. If $x = a \tan \theta$ and $y = b \sec \theta$ then

8. $(1 + \tan \theta + \sec \theta)(1 + \cot \theta)$ $\csc\theta$) is equal to

 $a \cot \theta + b \csc \theta = p$ and $b \cot \theta + a \csc \theta = q$ then $p^2 - q^2$ is equal to

(B) b²

(C) $a^2 + b^2$

(D) b-a

10. If the ratio of the height of a tower and the length of its shadow is $\sqrt{3}:1$, then the angle of elevation of the sun has measure

(A) 45°

(B) 30°

(C) 90°

(D) 60°

11. The electric pole subtends an angle of 30° at a point on the same level as its foot. At a second point 'b' metres above the first, the depression of the foot of the pole is 60° . The height of the pole (in metres) is equal to

 $(A)\sqrt{3} b$

(B) $\frac{b}{3}$

12. A tower is 60 m heigh. Its shadow is x metres shorter when the sun's altitude is 45° than when it has been 30° , then x is equal to

(A) 41.92 m

(B) 43.92 m

(C) 43 m

(D) 45.6 m

13. The angle of depression of the top and bottom of 20 m tall building from the top of a multistoried building are 30° and 60° respectively. The height of the multistoried building and the distance between two buildings (in metres) is

(A) 20, $10\sqrt{3}$

(B) 30, $5\sqrt{3}$

(D) 30, $10\sqrt{3}$

14. Two persons are standing 'x' metres apart from each other and the height of the first person is double that of the other. If from the middle point of the line joining their feet an observer finds the angular elevations of their tops to be complementary, then the height of the shorter person (in metres) is

(A) √2 x

15. The angle of elevation of a cloud from a point h metres above a lake is β . The angle of depression of its reflection in the lake is 45° . The height of location of the cloud

(A) $\frac{h(1+\tan\beta)}{}$ $1 - \tan \beta$

 $1 + \tan \beta$

(B) $h(1-\tan\beta)$

(C) $h \tan(45^{\circ} - \beta)$ (D) none of these

MENSURATION

1. The curved surface area of a right circular cone of height 15 cm and base diameter 16 cm is

(A) $60\pi \text{ cm}^2$

(B) $68\pi \text{ cm}^2$

(C) $120\pi \text{ cm}^2$

(D) $136\pi \text{ cm}^2$

If two solid hemispheres of same base radius r units are joined together along their bases, then curved surface area of this new solid is

(A) $4\pi r^2$ sq. units (B) $6\pi r^2$ sq. units (C) $3\pi r^2$ sq. units (D) $8\pi r^2$ sq. units

3. The height of a right circular cone whose radius is $5\ \mathrm{cm}$ and slant height is $13\ \mathrm{cm}$ will be (B) 10 cm (A) 12 cm (C) 13 cm (D) 5 cm

4. If the radius of the base of a right circular cylinder is halved keeping the same height, then the ratio of the volume of the cylinder thus obtained to the volume of original cylinder is

(A) 1:2

(B) 1:4

(D) 1:8 (D) 1th

5. The total surface area of a cylinder whose radius is $\frac{1}{2}$ of its height is (C) $\frac{8\pi h^2}{}$ sq.units (D) $\frac{56\pi h^2}{2}$ (A) $\frac{9\pi h^2}{\circ}$ sq.units (B) $24\pi h^2$ sq.units

In a hollow cylinder, the sum of the external and internal radii is 14 cm and th width is 4 cm. If its height is 20 cm, the volume of the material in it is

(B) $1120\pi \text{ cm}^3$

(C) $56\pi \text{ cm}^3$

If the radius of the base of a cone is tripled and the height is doubled then the volume is (A) made 6 times (B) made 18 times (C) made 12 times (D) unchanged

The total surface area of a hemi-sphere is how much times the square of its radius.

(B) 4π (C) 3π (D) 2π

A solid sphere of radius x cm is melted and cast into a shape of a solid cone of same radius. The height of the cone is (A) 3x cm(B) x cm (C)4x cm(D)2x cm

A frustum of a right circular cone is of height 16cm with radii of its ends as 8cm and 20cm. Then, the volume of the frustum is (C) $3240\pi \text{ cm}^3$

(B) $3228\pi \text{ cm}^3$

11. A shuttle cock used for playing badminton has the shape of the combination of (B) a hemisphere and a cone

(A) a cylinder and a sphere (C) a sphere and a cone (D) frustum of a cone and a hemisphere

12. A spherical ball of radius r_1 units is melted to make 8 new identical balls each of radius r_2 units. Then $r_1:r_2$ is

(C) 4:1 13. The volume (in cm³) of the greatest sphere that can be cut off from a cylindrical log of wood of base radius 1 cm and height 5 cm is

(B) $\frac{10}{3}\pi$ (C) 5π 14. The height and radius of the cone of which the frustum is a part are h_i units and r_i units respectively. Height of the frustum is b_2^\prime units and radius of the smaller base is

 r_2 units. If $h_2: h_1 = 1: 2$ then $r_2: r_1$ is

(A) 1:3

(B) 1:2

(C) 2:1

(D) 3:1

15. The ratio of the volumes of a cylinder, a cone and a sphere, if each has the same diameter and same height is

(A) 1:2:3

(C) 1:3:2 (B) 2:1:3

8

Which of the following is not a measure of dispersion?

(A) Always positive (B) always negative (C) zero

(A) Range (C) Arithmetic mean (B) Standard deviation

(C) 8

(C) 160000

(C) 33.25

2. The range of the data 8, 8, 8, 8, 8. (B) 1

The sum of all deviations of the data from its mean is

(D) non-zero integer

(D) 3

The mean of 100 observations is 40 and their standard deviation is 3. The sum of squares of all observations is

(A) 40000 (B) 160900 5. Variance of first 20 natural numbers is

(A) 32.25

(B) 44.25

(D) 30 The standard deviation of a data is 3. If each value is multiplied by 5 then the new

(D) 30000

(A) 3 (C) 5 (B) 15 (D) 225 7. If the standard deviation of x, y, z is p then the standard deviation of 3x + 5, 3y + 5,

3z + 5 is (A) 3p + 5

(B) 3p

9. Which of the following is incorrect?

(C) p + 5(D) 9p + 158. If the mean and coefficient of variation of a data are 4 and 87.5% then the standard

deviation is (C) 4.5 (A) 3.5 (D) 2.5

(A) P(A) > 1 10. The probability a red marble selected at random from a jar containing p red, q blue

and r green marbles is (B) -

(B) $0 \le P(A) \le 1$

(C) $p \not = q$

(C) $P(\phi) = 0$

p+q+rp + q + r11. A page is selected at random from a book. The probability that the digit at units place of the page number chosen is less than 7 is

(A) $\frac{3}{10}$

(A) 2

(B) $\frac{7}{10}$

12. The probability of getting a job for a person is $\frac{x}{3}$. If the probability of not getting the

job is $\frac{2}{x}$ then the value of x is

(B) 1

13. Kamalam went to play a lucky draw contest. 135 tickets of the lucky draw were sold.

If the probability of Kamalam winning is $\frac{1}{9}$, then the number of tickets bought by Kamalam is (A) 5 (C) 15 (B) 10

14. If a letter is chosen at random from the English alphabets $\{a,b,...,z\}$, then the

probability that the letter chosen precedes \boldsymbol{x}

(B) $\frac{1}{13}$

(C) $\frac{23}{26}$

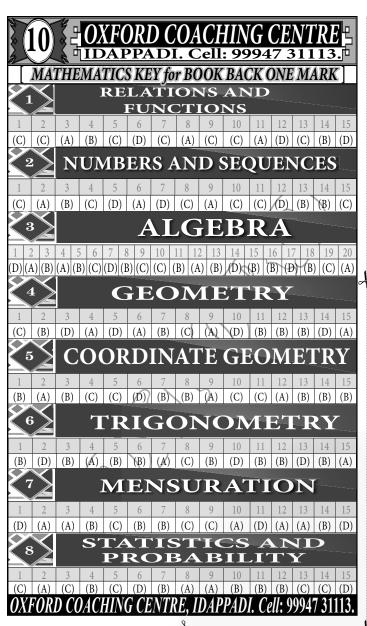
(C) 3

A purse contains 10 notes of ₹2000, 15 notes of ₹500, and 25 notes of ₹200. One note is drawn at random. What is the probability that the note is either a ${\ensuremath{\mathfrak{T}}} 500$ note or ₹200 note?

(A) $\frac{1}{5}$

(B) $\frac{3}{10}$

(D) $\frac{4}{1}$



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1		3	4	5	FU	NO	8	9	NS 10	11	12	13	14	
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5	\geq	C	0	OR	D	IN	AT	E	GE	O	M	\mathbf{E}'	ľR	2
1	2	3	4	5	6	7	8	9	10	11	12	13	14	4
(B)	(A)	(B)	(C)	(C)/	(D)	(B)	(B)	(A)	(C)	(C)	(A)	(B)	(B)	
8	X.		7	10	T		77	T	7	1			V	,
	L			K	щ	J(Jľ	10	N		E/]		RY	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
(B)	(D)	(B)	(A)	(B)	(B)	(A)	(C)	(B)	(D)	(B)	(B)	(D)	(B)	(
7	' \geq			\mathbf{M}	E	NS	SU	R	A'	ΓΊ	O	N		
1	2	3	4	5.	6	7	8	9	10	11	12	13	14	
(D)	(A)	(A)	(B)	(C)	(B)	(B)	(C)	(C)	(A)	(D)	(A)	(A)	(B)	(
1	X		S	ΓA	T	118	ST	'I (ES	A		11	>	
	Z		1	Pl	RC) F	3 <i>A</i>	В	П	JI'	Γ	Y		
1	2	3	(B)	5	6	7	8	9	10 (B)	11 (B)	12	13	14	
(0)														

