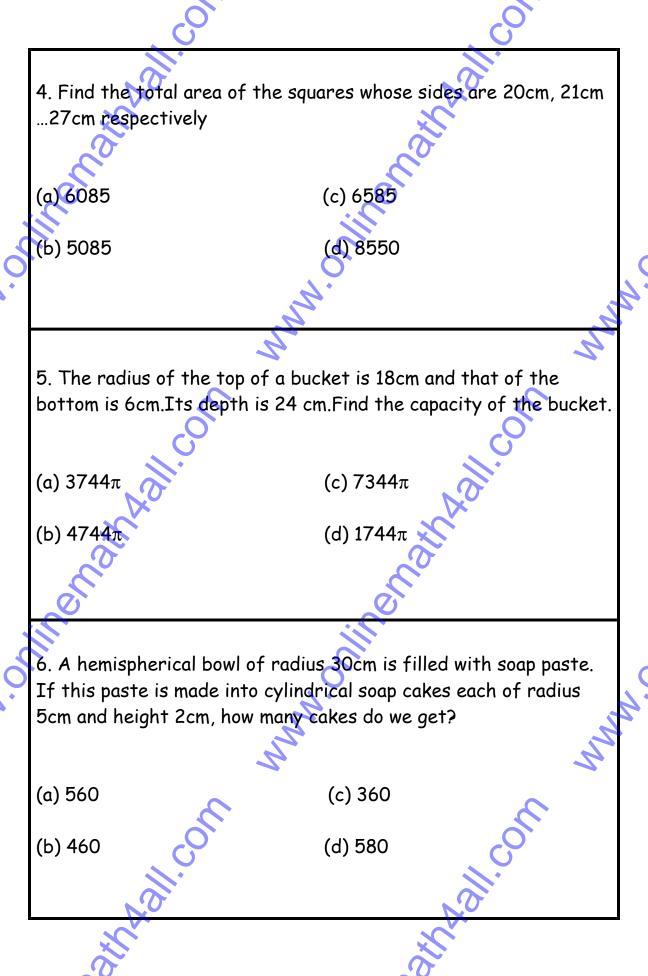
	COLL		com	
	1. Find the 5 th term of the			
	(a) 1/4 (b) 1/2	e Geometric progressi (c) 4/5 d) 3/8		2
	(b) 1/2	d) 3/8		
MAN		01.		7.
M	2. Find the sum of first 1 3, 8, 13	11 terms of the Arithm	etic progression	
	(a) 408	(c) 508	XXIII.ON	
	(a) 408 (b) 308	(d) 808	XOI.	
	3. Find the sum of 11+12+	-13+ +31		2
	5. Ma The Sum of 11+12+	13+		
7.	(a) 551	(c) 621		10 C
MAN	(b) 444	(c) 621 (d) 441	N. N	
	and Adlicon			
	Lall.		21.	



7 If $\varepsilon = \{1,2,3,4,5,6,7,8,9,10\}$ $A = \{2,4,6\},B = \{1,2,3,5\}$ find (AUB)

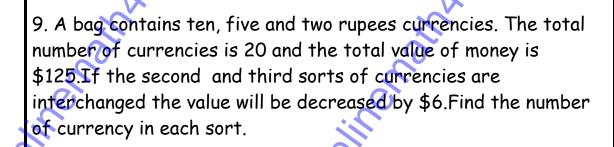
(a) {7, 9,10}

(c) {7,10}

(d) {7,8,9,10}

(b) {7} 8. In a class of 35 students 18 speak Tamil,12 speak Hindi and 15 speak English.2 students speak Tamil and Hindi.4Hindi and English and 5 speak English and Tamil. Calculate the number of students who speak all three languages. Alo find the number of students Hindi and English but not Tamil

(b) 17



(a) 10,5,2

(c) 5,5,2

(b) 2,5,9

(d) 10,9,6

10. One of the factors of the equation $2x^3+x^2-5x+2$ (c) (x-6) (d) (x+1)

(a) (x-5) (b) (x-1)

11. Find the area of the following term $20x^3$, $36x^6$.

(a) 4x⁵

(c) $180x^6$

(b) 120x²

(d) $20x^3$

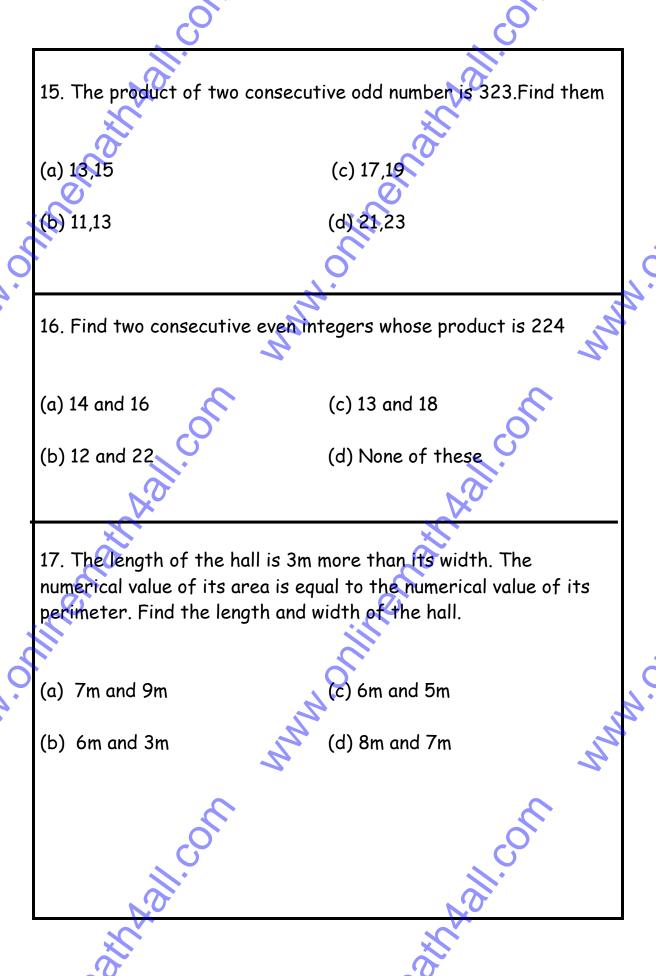


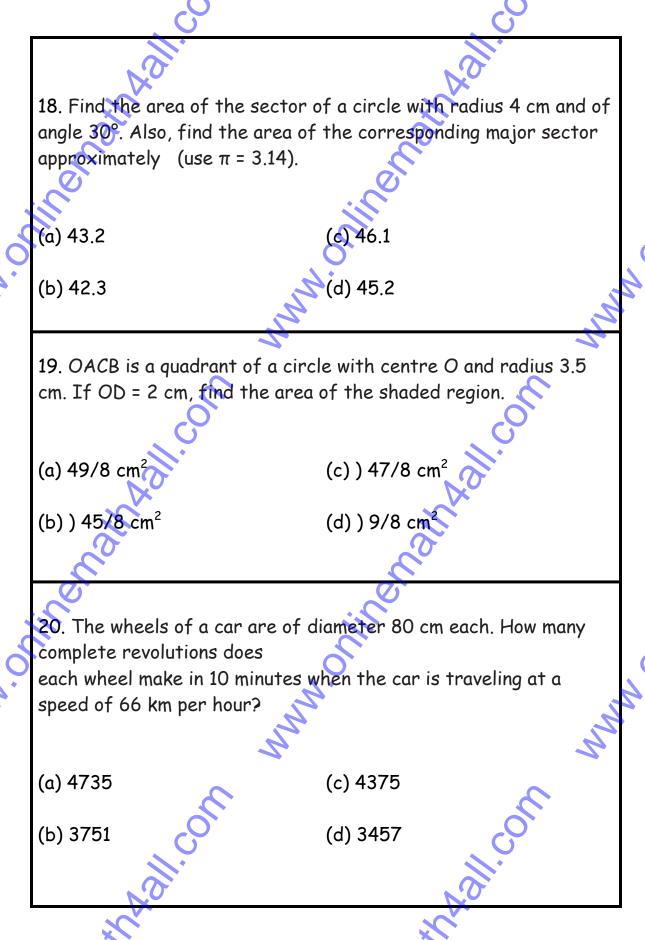
12. Simplify the following
$$\frac{P^2-1}{P} = \frac{P^3}{P} = \frac{1}{P+1}$$

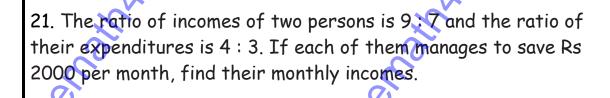
My Olivor

Ann. Coling Coli 13. Find the square root by factor method 9801

14. solve $6x^2 + x - 1 = 0$







(a) 18000,15000

(c) 18000,14000

(b) 14000,16000

(d) 10000,20000

22. Solve the following pair of linear equations by the elimination method 3x + 4y = 10 and 2x - 2y = 2

(a) 4,3

(c) 1,5

(b) 3,8

(d) 2,1

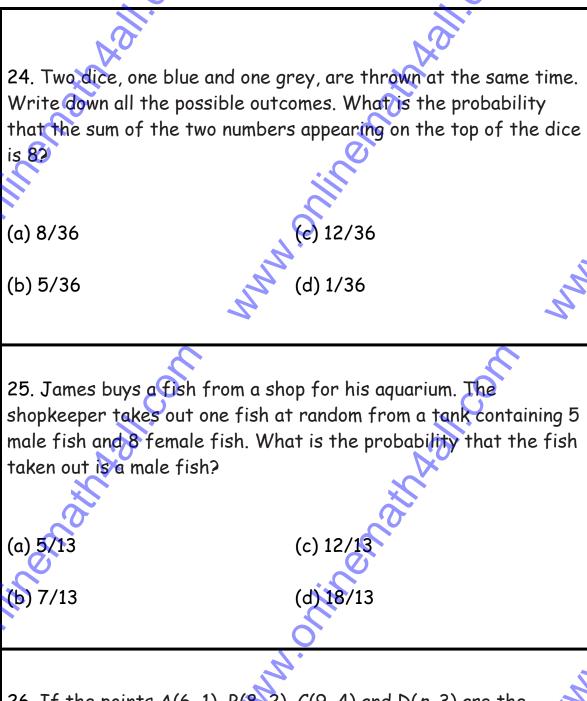
23. Two players, Jessy and mark, play a tennis match. It is known that the probability of Jessy winning the match is 0.62. What is the probability of Mark winning the match?

(a) 0.58

(c) 0.38

(b) 0.37

(d) none of these



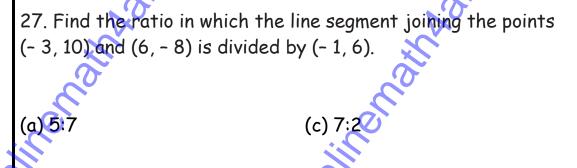
26. If the points A(6, 1), B(8, 2), C(9, 4) and D(p, 3) are the vertices of a parallelogram, taken in order, find the value of p.

(a) 7

(c) 1

(b) 8

(d) 6



(a) 5:

(b) 3:8

(d) 2:7

MMM.S 28. Find the coordinates of a point A, where AB is the diameter of a circle whose centre is (2, -3) and B is (1, 4).

(a) (-2,5)

(c) (3,-10)

(b) (5,2)

(d) (9,8)

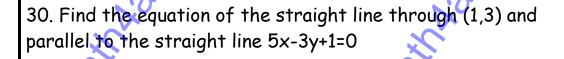
29 Find the area of a triangle whose vertices are (1, -1), (-4, 6) and (-3, -5).

(a) 13

(c) 15

(b) 26

(d) 24



(a)
$$5x-3y-4=0$$

(c)
$$3x-5y+4=0$$

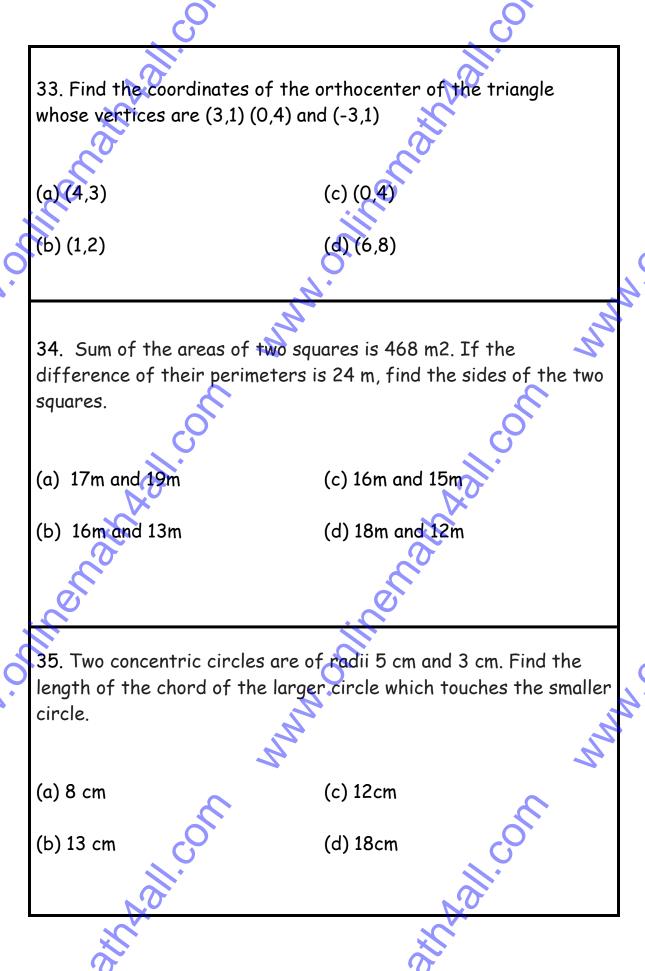
31. Find the centroid of the triangle whose vertices are the points (8,4)(1,3)(3,-1)

32. If the two lines are perpendicular with the slopes m1 and m2 then m1 \times m2 =

(a) 0

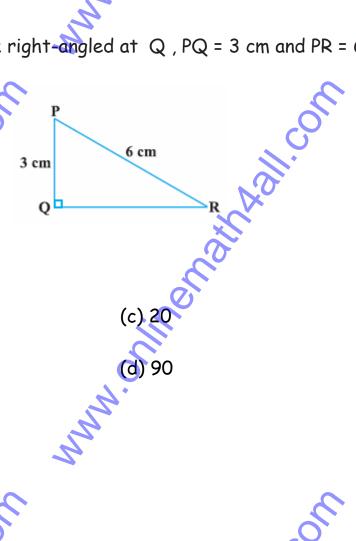
(b) -1

(d) None



(a) 10/sqrt (7) (b) 3/sqrt (7)

MANNING. 37. In triangle PQR right-angled at Q , PQ = 3 cm and PR = 6 cm. Determine \angle QPR (a) 60 (b) 60 (b) 60 (c) 60



(a) 6 (b) 45

38. Choose the correct answer for the following 2 tan 30°

$$\frac{2 \tan 30^{\circ}}{1 + \tan^2 30^{\circ}} =$$

(a) sin 60

(c) cos 30

(b) tan 30

(d) sin 30

39. Evaluate the following

sin 60° cos 30° + sin 30° cos 60°

(c) 1

(b)0

Sinkall. Offi (d) sqrt(3)/2

40. (secA + tanA)(1-sinA) =

(a) sec A

(c) Sin A

(b) Cosec A

(d) cos A

41.

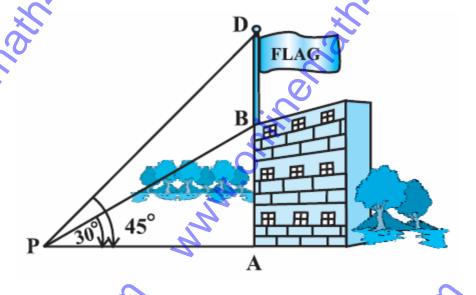
$$\frac{1+\tan^2 A}{1+\cot^2 A} =$$

WWW.S. (b) tan²A

(c) -1.

(d) cot²A

Ind the 42. From a point P on the ground the angle of elevation of the top of a 10 m tall building is 30°. A flag is hoisted at the top of the building and the angle of elevation of the top of the flagstaff from P is 45° Find the length of the flagstaff and the distance of the building from the point P. (You may take $\sqrt{3} = 1.732$)

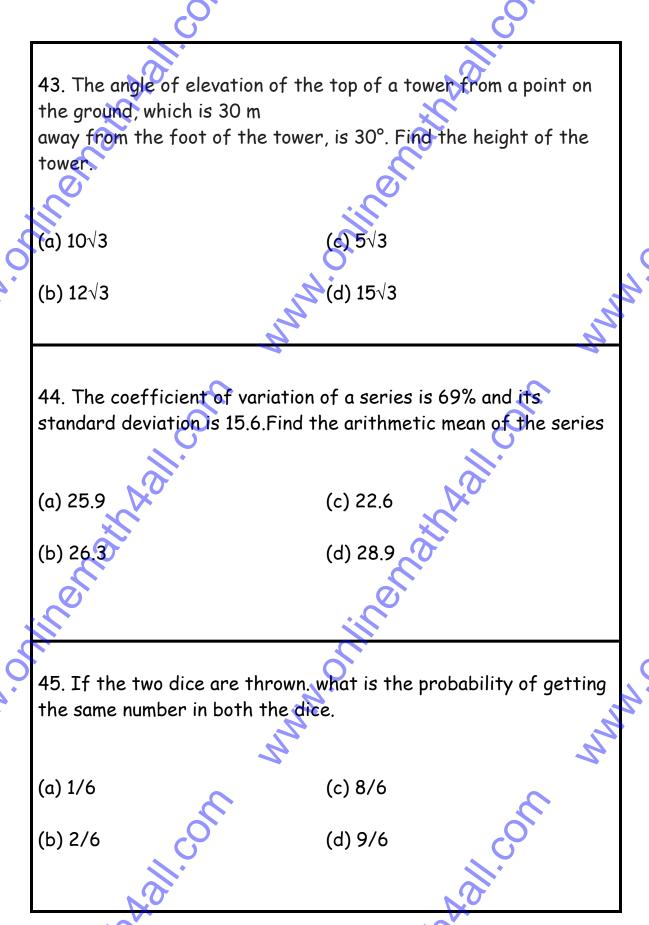


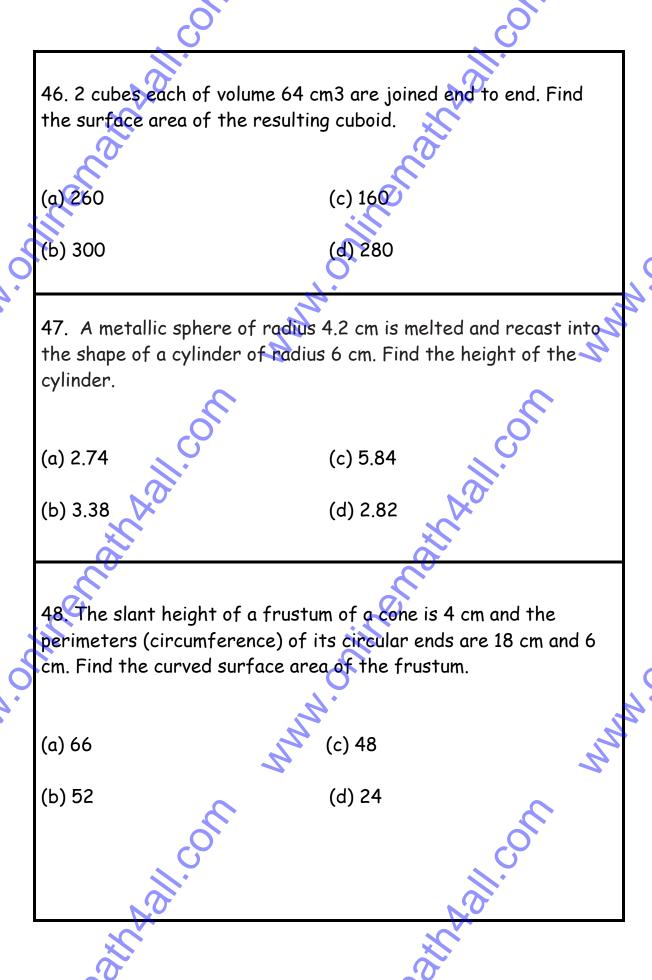
(a) 5.48

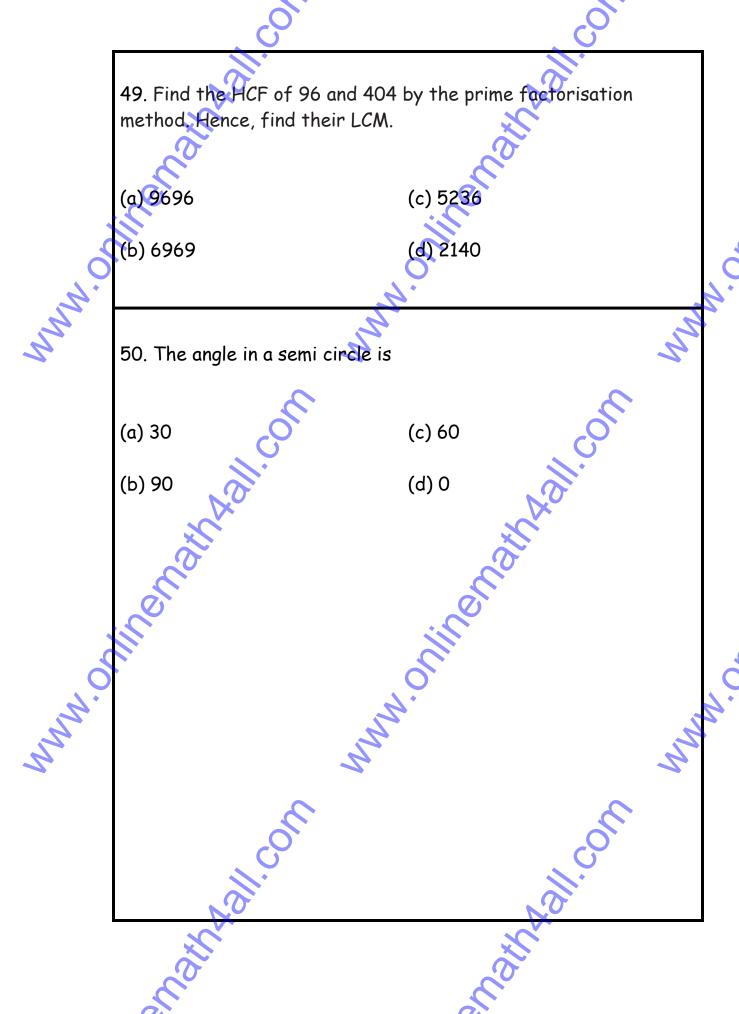
(c) 7.32

(b) 2.18

(d) 8.18







		· cos				on		
	Answers	NO.			*KY			
	1. a	2. b	3. d 9. a 15. c	4. a	5. a	6. c		
MANA.	7. d	8. c	9. a	10. b	11. c	12. b		0.
NA	13. d	14. a	15. c	16. a	17. b	18. c	N	
	19. a	20. c 26. a	21. c	22. d	23. c	24. b		
	25. a	26. a	27. d	28. c	29. d	30. c		
Mul Co.	31. a	32. b	33. c	34. d	35. a 41. b 47. a	36. b		
	37. a	38. a	39. c	40. d	41. b	42. c		OCILIC
My.	43. α	44. c	45. a	46. c	47. a	48. c	The state of the s	
	49. a	50. b				off.		
		50. b			National Parties			
		**						