(a) 7.873 (b) 6.856

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MAN ON THE STATE OF THE STATE O 2. Solve for "x" : $Log_{64}x = 1/3$.

(a) 2

(c) 3

(b) 0

(d) 4

3. Find the value of $(1/\log_2 42) + (1/\log_3 42) + (1/\log_7 42)$.

(a) 1 (c) 1

(b) 0 (d) 2

MM (P) 0

(a) 0.3772 (b) 0.6990

5. If A= {1,2,3}, find n[p(A)].

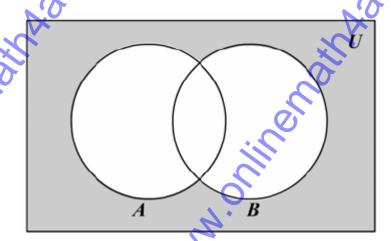
(a) 8

(c) 2

(b) 5

(d) 3

6.



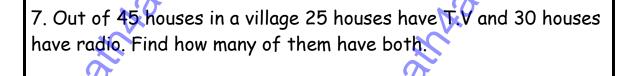
MINN. S. The above diagram represents

(a) (AuB)

(c) (AnB)

(b) (AnB)^c

(d) (AuB)^c



(a) 30

(c) 31

(b) 10

(d) 20

MMH.S 8. Find the length of the arc of the sector whose area is 336 sq.cm and the radius is 28 cm.

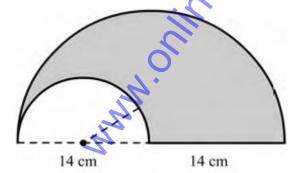
(a) 24 cm

(c) 34 cm

(b) 14 cm

(d) 44 cm

9. Find the area of the shaded portion in the below figure.



(a) 421 sq.cm

(c) 221 sq.cm

(b) 441 sq.cm

(d) 231 sq.cm

10. Solve x+y = 3, y+z=-5 and z+x=2

$$(a)$$
 6, -1, -2

$$(d) -2, 1, 4$$

MMM.S 11. Find the square root of $(x^2+4x+4)(x^2-6x+9)(x^2+2x+1)$.

(a)
$$(x-2)(x-3)(x+1)$$

(d)
$$(x+2)(x-3)(x-1)$$

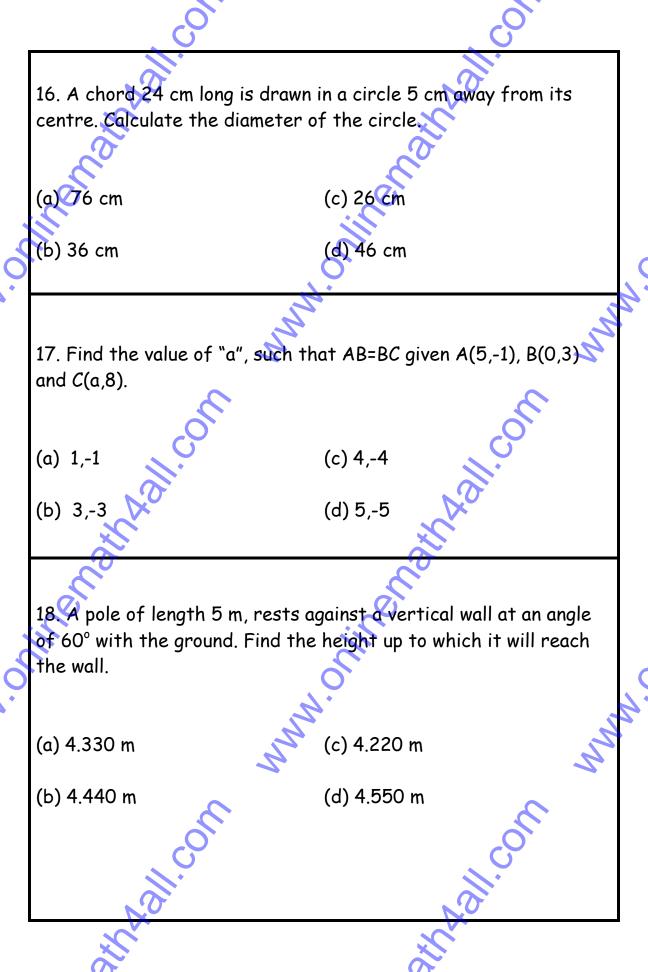
12. At what rate percent will a sum \$4000 amount to \$4410 in years at compound interest?

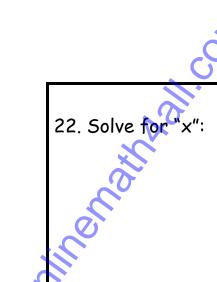
(a) 6%

(b) 3%

(d) 4%

	COM	COM				
	13. A building was constructed at a cost of \$200000. The cost of the building depreciates at the rate of 12% every year. Find the estimated cost of the building at the end of 3 years.					
	(a) 133294.40 (b) 134294.40	(c) 135294.40 (d) 136294.40	Cilling			
NANO.	(b) 134294.40	(0) 130294.40	7.			
	14. Find the area of the parallel and the corresponding altitude					
	(a) 11.88 sq.cm	(c) 22.88 sq.cm				
	(b) 33.88 sq.cm	(d) 33.88 sq.cm	2			
	•	aced with its foot at a distance of of the wall does it reach?	Modern Constitution of the			
WWW.	(a) 44 m	(c) 24 m	2			
		(d) 40 m				
	(b) 34 m	(d) 40 m				
		and it.				





$$\left((x^{-1})^{\frac{5}{2}}\right)^{\frac{1}{3}} (x^2)^{\frac{3}{3}}$$

$$(c) x^{31/6}$$

$$(d) x^{31/8}$$
tive and negative integers including zero.

23. Set of all positive and negative integers including zero. The above set is a/an

(a) Finite set

(c) Infinite set

(b) Singleton set

(d) none of these

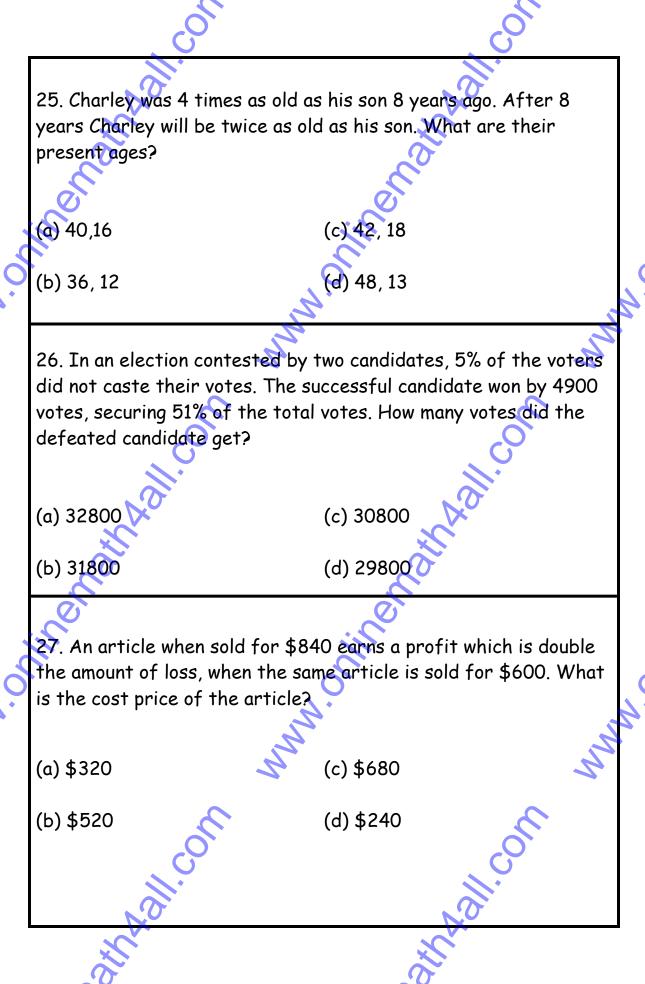
24. An IIM exam consists of 12 questions divided in to parts A and B. Part A contains 7 questions and part B contains 5 questions. A candidate is required to attempt 8 questions selecting at least 3 from each part. In how many maximum ways can the candidate select the questions?

(a) 256

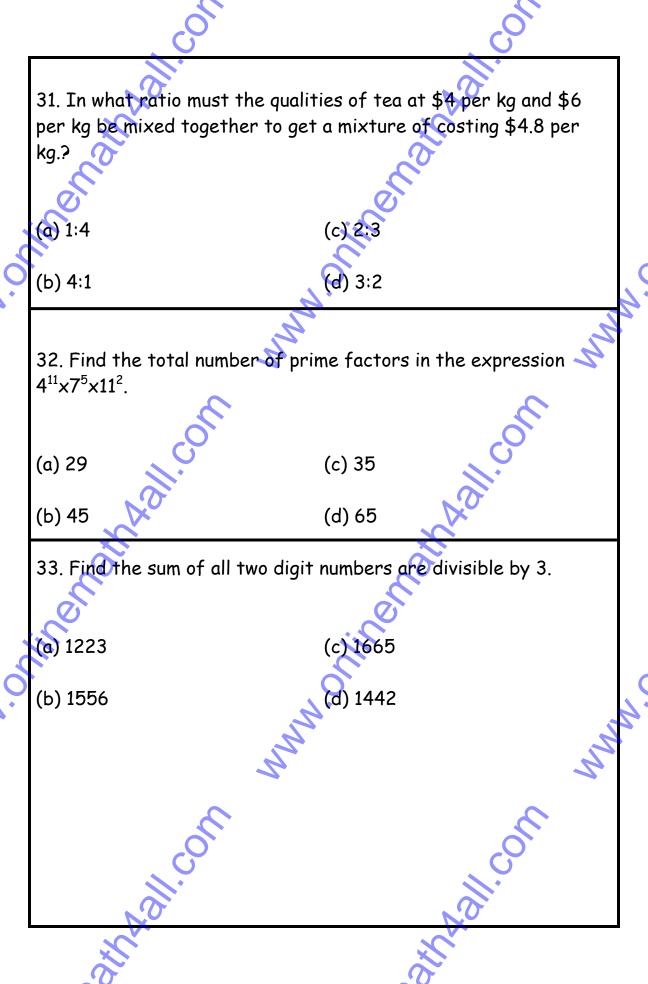
(c) 220

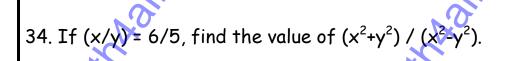
(b) 385

(d) 420



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In O.	28. A can do a piece of work in ten days, B in 12 days and C in 15 days. All begin together, but A leaves the work after two days and B leaves 3 days before the work is finished. How long did the work last? (a) 4 days (b) 5 days (d) 7 days	M. Colino
	29. The difference between the compound interest and simple interest on a certain amount at 10% per annum at the end of the third year is \$620. What is the principal amount? (a) \$20000 (c) \$10000	
hunion	(b) \$15000 (d) \$25000 30. It is proposed to construct a wall 15 m long, 10 m high and 20 cm thick. Find the number of bricks measuring 34 cm \times 10 cm \times 5 cm each, required to construct this wall. It is understood that 15% of the total volume of the wall is filled with mortar.	No. illo
	(a) 15000 (b) 12500 (d) 7500	
		2





(a) 71/10

(c) 21/13

(b) 61/11

(d) 34/5

35. Find the length of a rope by which a cow must be tethered in order that it may be able to graze an area of 19856 sq.m.

(a) 43 m

(c) 82 m

(b) 56 m

(d) 36 m

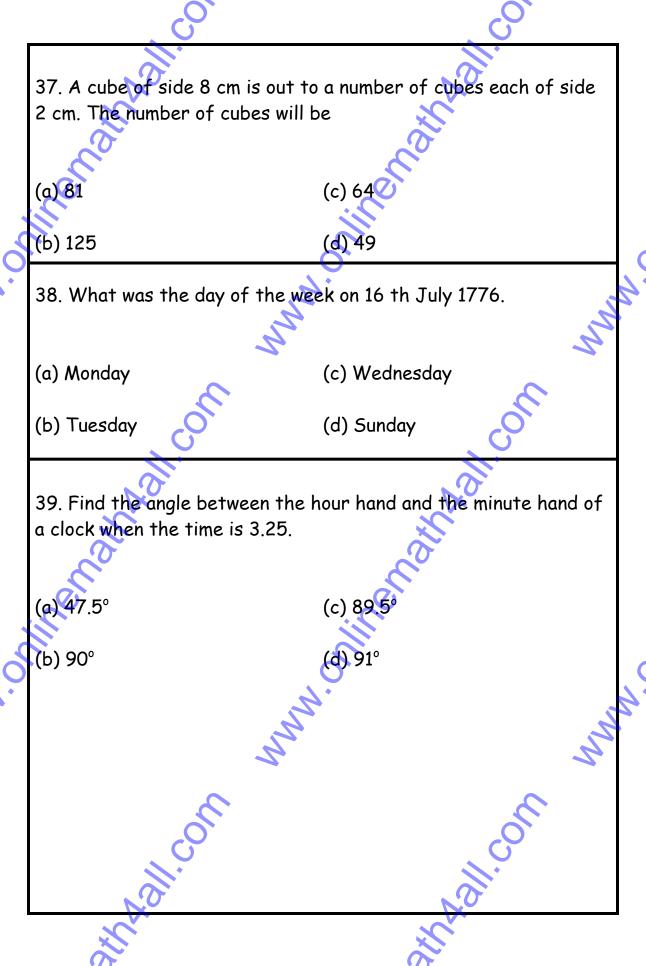
36. The radii of two cylinders are in the ratio 3:5. And their heights are in the ratio of 2:3. Find the ratio of their curved surface areas.

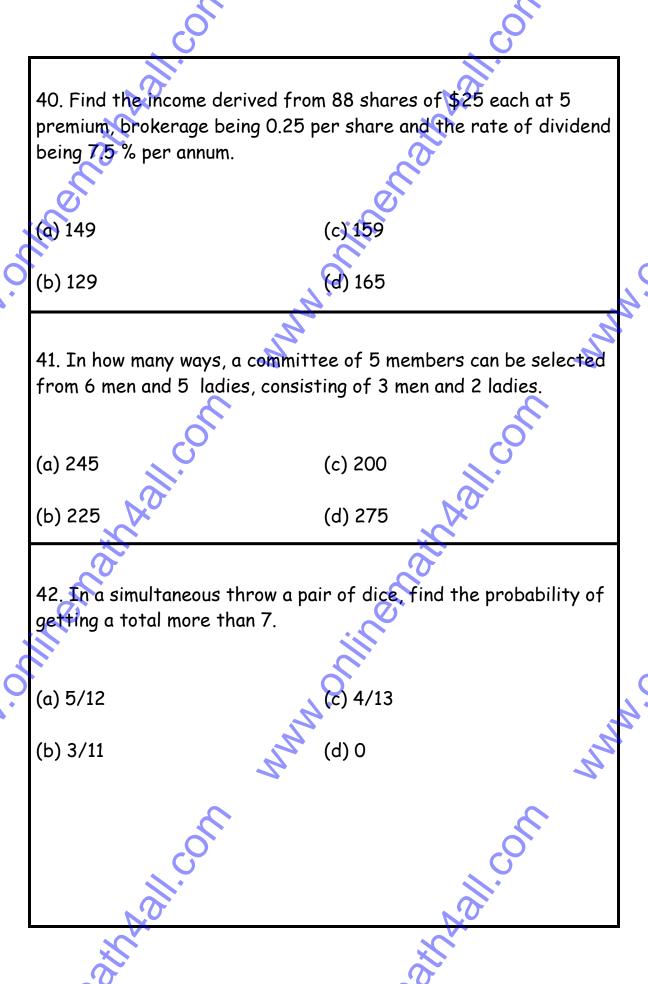
(a) 2:5

(c) 4:3

(b) 5:2

(d) 3:4





43. The wages of 43 employees are given. Find the median.

Wage	25	35	45	55	65
No. of Employees	3	5	20	10	5

(a) 24

(c) 44

(b) 45

(d) 54

44. Running (6/7) his usual speed, a man is 25 minutes too late. Find his usual time.

- (a) 2 hours 30 minutes
- (c) 2 hours 45 minutes
- (b) 1 hours 30 minutes
- (d) 1 hours 45 minutes

45. The angles of a triangle are in arithmetic progression. The common difference is 6. Find the angles of the triangle.

(a) 40, 46, 52

(c) 60, 66, 72

(b) 50, 56, 62

(d) 54, 60, 66

	46. Find the sum of 20 ² +21 ² +22					
	(a) 25500 (b) 32500	(c) 54510 (d) 45550				
MM,	47. Find the sum of 5+10+15+	100.				
	(a) 1025	(c) 1050				
	(b) 1200	(d) 1014				
	48. When ten coins are thrown, what is the probability of getting an even number? (a) 0 (c) 3/5					
4	(a) O	(c) 3/5				
Ó	(b) 1/4	(d) 5/8				
NAN O	49. Find the two consecutive of	dd number whose product is 323.				

er whose product is 323.

(a) 13,15

(c) 17,19

My Ochicar

(b) 11,13

(d) 21,23

50. Find the ratio in which the line segment joining the points Who chings of (c) 7:2 (-3, 10) and (6, -8) is divided by (-1, 6). (a) 5:7 (d) 2:7 MM-WINN-SO (b) 3:8 Man of the Contract of the Con Mundolling Raille Rail Coll. My Original Control of the Control o Such Start of the

					COM			
	Answers	Mollin			*KYSII			
	1. a	2. d	3. c 9. d 15. d	4. b	5. a	6. d		
ANN O.	7. b	8. a	9. d	10. c	11. b	12. c	7.	
N	13. d	14. a	15. d	16. c	17. c	18. a		
	19. c	20. c	21. a	22. c	23. b	24. d		
	25. α	26. c	27. c	28. d	29. 0	30. a		
Mul O.	31. d	32. a	33. c 39. a 45. d	34. b	3 5. b	36. a		
	37. c	38. b	39. a	40. d	41. c	42. a	Ç	
The same of the sa	43. b	44. a	45. d	46. c	47. c	48. a		
	49. c	50. d			No N	off		
		VOII.				-		
					O			