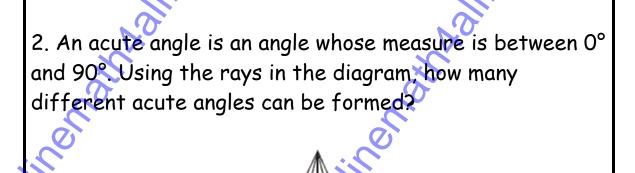
J) 18C (d) 140°

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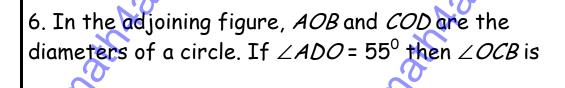


(b) 9 (d) 10

3. The age of a man is same as his wife's age with the digits reversed. Then sum of their ages is 99 and the man is 9 years older than his wife. How old is the man?

(a) 50 (b) 49

(b) 49 (d) 44



(a)  $27 \frac{1}{2}^{0}$ 

(c)  $55^{\circ}$ 

(b)  $62\frac{1}{2}^{0}$ 

(d) 35<sup>0</sup>

7. How many small cubes with edges of 10 cm can be just accommodated in a cubical box of 1 m edge?

(a) 10

(c) 1000

(b) 100

(d) 10000

8. A cylinder and a cone have the same height and the same radius of the base. The ratio between the volumes of the cylinder and the cone is

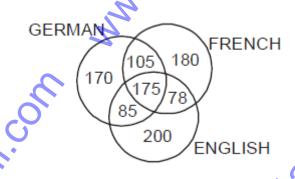
(a) 1:3

(c) 1:2

(b) 3:1

(d) 2:1

9. A survey was conducted on a sample of 1000 persons with reference to their knowledge of English, French and German. The results of the survey are presented in the given Venn diagram. The ratio of the number of persons who do not know any of the three languages to those who know all the three languages is



(a) 1/27 (c) 7/175

(b) 1/35 (d) 175/1000

10. The number of times in a day the hour hand and the minute hand of a clock are at right angles is

(a) 44 (c) 24

(b) 48 (d) 12

11. Which one of the following diagrams correctly represents the relationship among tennis fans, cricket players and students?

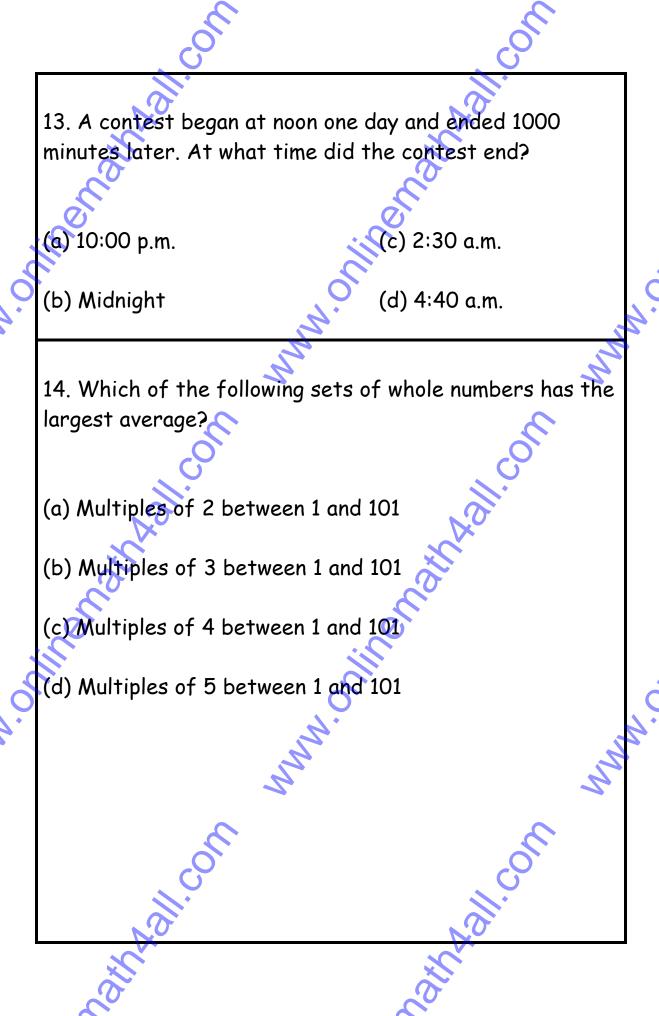


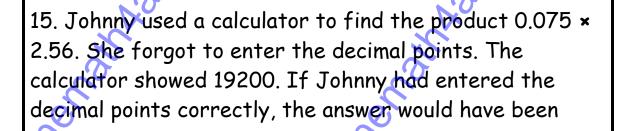


12. A, B, C, D, E and F, not necessarily in that order, are sitting on six chairs regularly placed around a round table. It is observed that A is between D and F, C is opposite D, D and E are not on neighbouring chairs. The person sitting opposite B is

(a) A (c) E

(b) D (d) F





16. Two cyclists, k km apart, and starting at the same time, would be together in rhours if they traveled in the same direction, but would pass each other in thours if they travelled in opposite directions. The ratio of the  $\frac{r+t}{r}$ (d)  $\frac{r}{t}$ speed of the faster cyclist to that of the slower is

(a) 
$$r-t$$

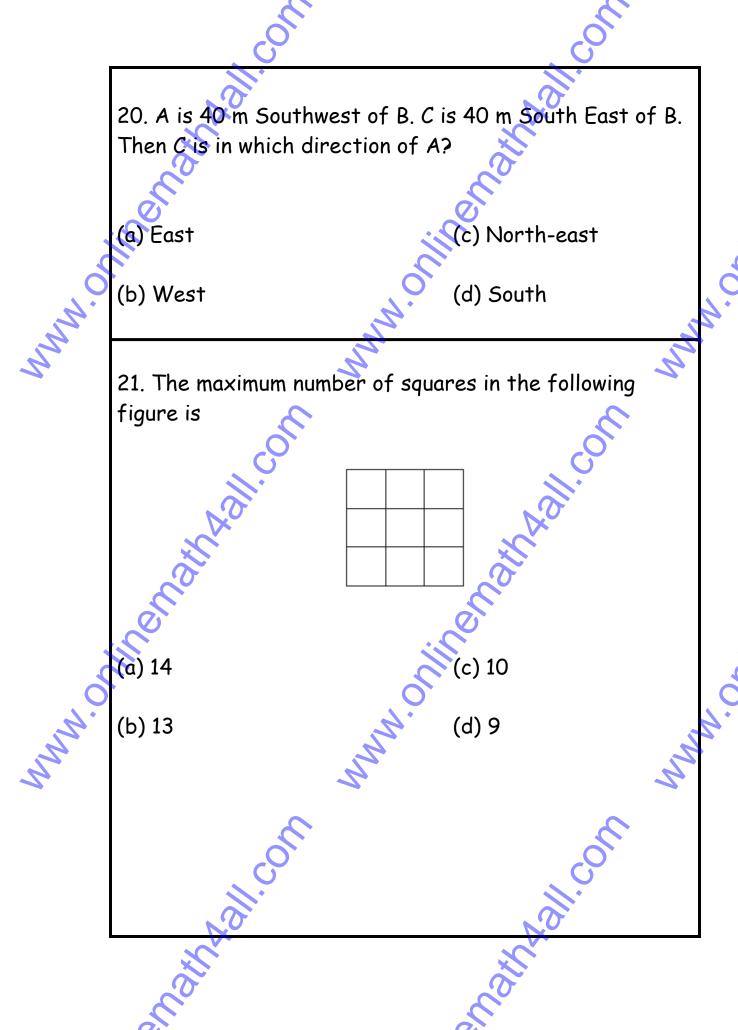
(c) 
$$\frac{r+t}{r}$$

(b) 
$$\frac{r}{r-t}$$

Will Coll

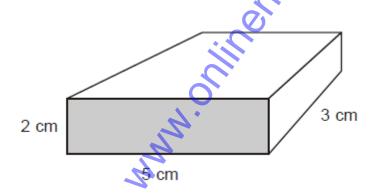
My Octivore 17. The shaded area formed by the two intersecting ANN CHILD perpendicular rectangles, in square units is 23 (b) 38 (that continued to the continu 1) 44
(d) 46(kall.oft)

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22. Standing on a platform, Arnold told Sam that Joseph was more than ten kilometres but less than fifteen Kilometers from there. Sam knew that it was more than twelve but less than fourteen kilometres from there. If both of them were correct, which of the following could be the distance of Joseph from the platform? (c) 13 Km (a) 11 Km (b) 12 Km (d) 14 Km 23. If the day before yesterday was Saturday, what day will fall on the day after tomorrow? (c) Wednesday (a) Friday (b) Thursday (d) Tuesday Agli.on

26. What is the volume of the rectangular solid shown below?



(a) 10 cubic cm

(c) 30 cubic cm

(b) 25 cubiccm

(d) 62 cubic cm

27. What is the value of x if - 3x + 2 = -7?

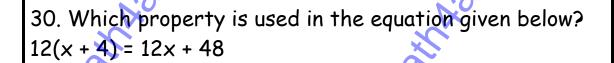
(a) X= -6

(c) X= 3

(b) X= -3

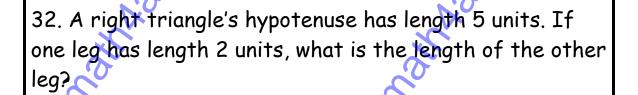
(d) X = 6

29. Mr. John made a scale drawing of his office.1/2 cm = My Orlings 3 m The width of the scale drawing of the office is 2 cm. May Cline What is the actual width, in meters, of Mr. Gupta's office? MAN ON THE PROPERTY OF THE PARTY OF THE PART (a) 30 active (b) 9 (c) 6 (c) 6 (d) 12 (d) 12 My Ochinger CACYLO ANI. ORG



- (a) Associative Property of Addition
- (B) Commutative Property of Addition
- (C) Distributive Property
- (D) Reflexive Property
- 31. Which of the following equations illustrates the inverse property of multiplication?

(a) 
$$5 \times (1/5) = 1$$



(a) 3

(b) √21

(d) 7

MMM. 2 sum o.
3 this relation

(a) 14 + n = 72(b) 72n = 1433. The sum of a number (n) and 14 is 72. Which equation (c) 14 - n = 72(d) 72 + n = 14shows this relationship?

(a) 
$$14 + n = 72$$

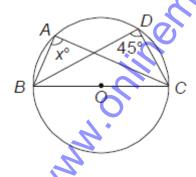
cache and cold

(c) 
$$14 - n = 72$$

(b) 
$$72n = 14$$

d) 
$$72 + n = 14$$

34. O is the centre of the circle. Find the value of x?



- Mundo. (c) 60 (a) 45
  - (b) 90 (d) 30

35. Dennis the Menace is thinking of two numbers. Their greatest common factor is 6. Their least common multiple is 36. One of the numbers is 12. What is the other number?

- (a) 18 (c) 6
- (b) 16 (d) 24

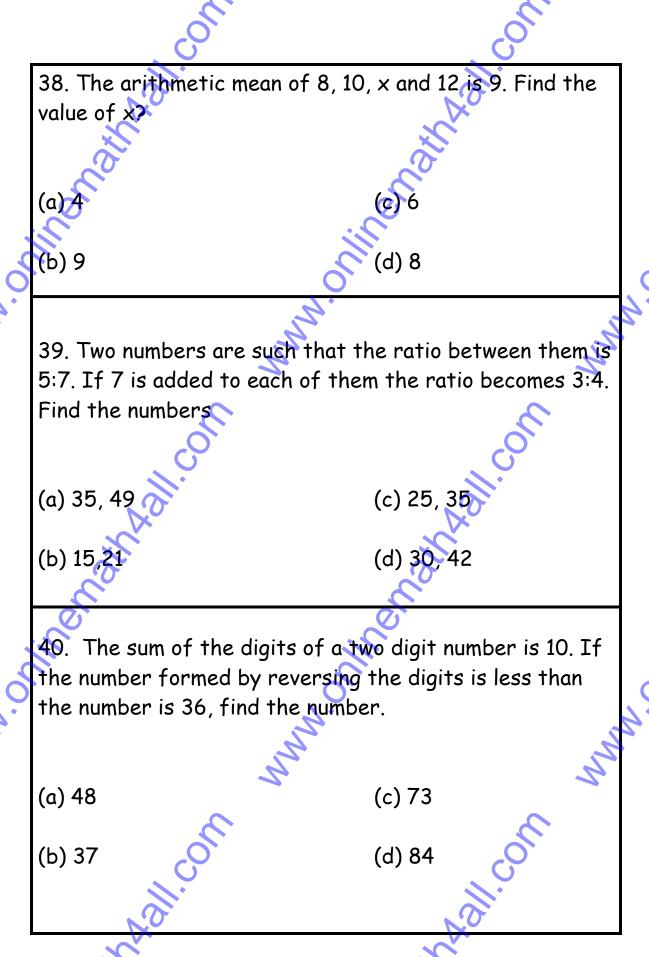
36. Farmer Ronald put a square fence around his
vegetable garden to keep the deer from eating his corn.
One side was 10 m in length. If the posts were placed 2 m
apart, how many posts did he use?

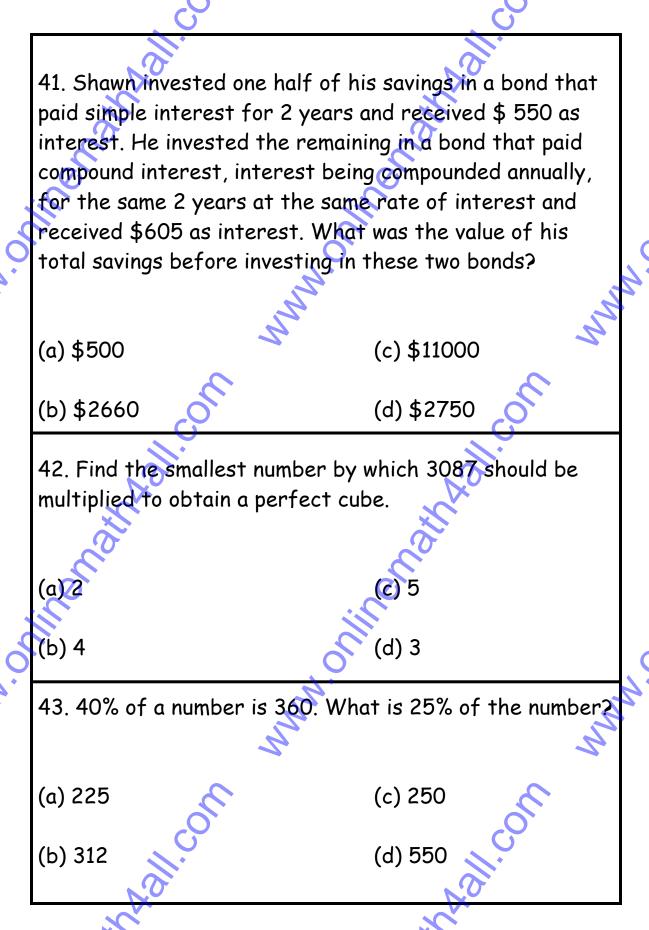
(a) 16 (d) 15

37. Jennifer passed around a basket of strawberries to the girls at her party. Before the party she ate 50 strawberries and gave a friend 3. Eight girls arrived at the party. The first girl took a strawberry, the second girl took 3 strawberries, the third girl took 5 strawberries and so on. After the last girl took her strawberries, the basket was empty. How many strawberries were there in the basket at the beginning?

(a) 72 (c) 65

(d) 45





44. Solve the following equation

$$4x-(2+4x)-2(x-1)=-8(x-3)$$

45. The moon is about 384000 km away from the earth and its path around the earth is nearly circular. Find the distance traveled by moon every month.

(a) 2423716 km

(c) 2413714 km

(b) 1413714 km

(d) 2113714 km

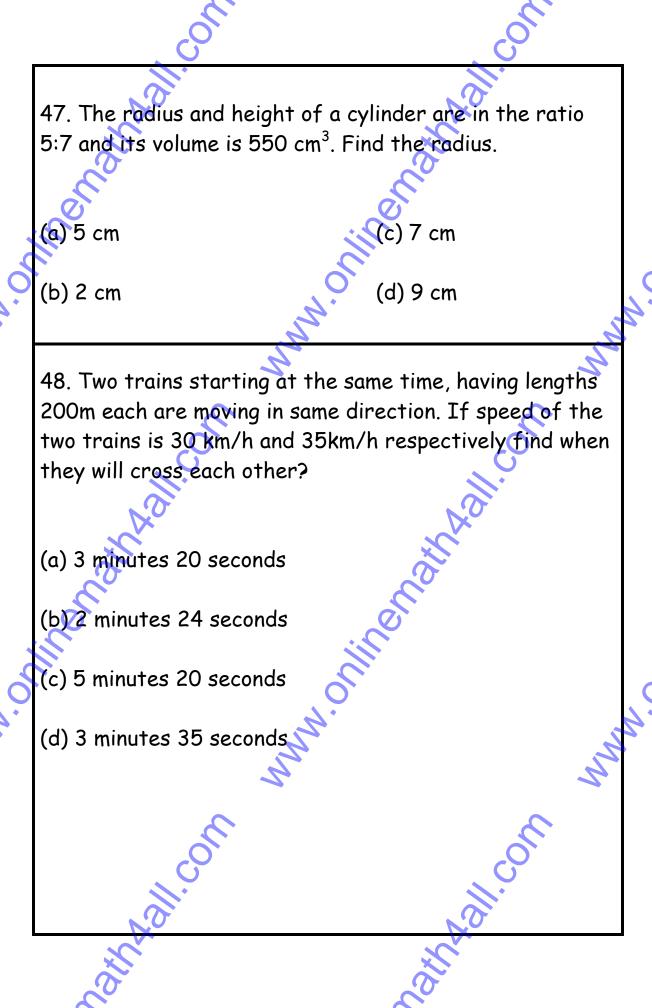
46. The circumference of two circular concentric rings are 132 cm and 176 cm. Find the width between the rings.

(a) 4 cm

(c) 7 cm

(b) 6 cm

(d) 9 cm



49. In a school, the total enrolment of class VIII is 115. If the number of boys exceeds the number of girls by 33, find the number of boys in the class VIII.

- MANNIN.S (a) 76 (c) 83
  - (d) 74 (b) 55

when x = 3
(c) 61
(d) 12
(d) 12
(e) 61 50. Find the value of  $3x^3 - 4x^2 + 7x - 5$  when x = 3

the value

50
(b) 72

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	Answer				*CYO!	•	
•	1. 0	2. d	3. c	4. b	5. c	6. c	W. Cillo
MMM.	7. c	8.b	9. c	10. a	11. a	12.d	M.C.
n	13.d	14. d	9. c 15. b	16. a	17. b	18. b	5
	19. c	20. q	21. a	22. c	23. c	24. b	
	25. b	26. c	27. c	28. c	<b>29</b> .d	30. c	
	31. a	32. b	33. a	34.a	35. a	36. b	inon
hund.	37. a	38. c	27. c 33. a 39.a	40. c	41. d	42. d	M. Clinos
7	43. a	11 -	45. c	46.b	47. a	48. b	
	49. d	50. c	*		47. a	S. C.	
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