

16.07.2019  
STD: VI

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PERIODIC ASSESSMENT - 1  
MATHS

Marks: 40  
Time: 1hr15min

I. Multiple choice questions:

1. Literals    2. Not an    3. Proportion    4. Base    5.  $x - y$

II. Match the following:

6.  $m + n + x + 5$     7. Proportion    8. Constant    9.  $4a$     10.  $1 : 2$

III. Answer the following:

11.  $5 : 9$

12.  $x + 15 = 18$   
 $x = 18 - 5$   
 $x = 3$

13.  $(x + y)$  [Student's choice]

14.  $\frac{2}{3} = \frac{2 \times 3}{3 \times 3} = \frac{6}{9} = 6 : 9$  (Student's Choice)    15.  $\frac{8}{n}$

IV. Solve the following:

16. 44km to 11km

44 km : 11 km

44 : 11

( $\div 11$ )

4 : 1                      Ans: 4 : 1

17. i)  $9x - 12 = 9y - 12$     ii)  $4y \times 2 = 8y$

18. Side of a pentagon =  $m$

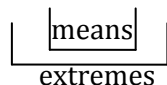
No of sides = 5

Perimeter =  $5 \times m$

=  $5m$  units

Ans: Perimeter =  $5m$  units

19.  $14 : 21 :: 2 : 3$



Product of means = Product of extremes

$21 \times 2 = 14 \times 3$

$42 = 42$

Ans: Yes,  $14 : 21 :: 2 : 3$  is in proportion.

20. Priya's age =  $m$   
Sita's age =  $m + 8$

Ans:  $(m + 8)$  years.

V. Word problems: [Answer any 2]

21. i)  $(x + 10)$  years                      ii)  $(x - 15)$  years

iii) Balu's age =  $2 \times x$   
=  $2x$  years

iv) Surya's age =  $(x - 4)$  years

v) Ramu's mother's age =  $2 \times x + 4 = (2x + 4)$  years

22. Amount = ₹400

Ratio =  $1 : 3$

Sum =  $1 + 3 = 4$

Sheen's share =  $\frac{1}{4} \times 400 = 100$

Veena's share =  $\frac{3}{4} \times 400 = 300$

Ans: Sheena's share = ₹100    Veena's share = ₹300

23.  $m + 15 = 19$ .

$m = 1$

$m + 15 = 19$

$1 + 15 = 19$

$16 \neq 19$

$m = 2$

$m + 15 = 19$

$2 + 15 = 19$

$17 \neq 19$

$m = 3$

$m + 15 = 19$

$3 + 15 = 19$

$18 \neq 19$

$m = 4$

$m + 15 = 19$

$4 + 15 = 19$

$19 = 19$

Ans:  $m = 4$

$m$	1	2	3	4
$m + 15$	16	17	18	19