



VASISHTHA GENESIS SCHOOL, BABEN, BARDOLI

Name:

Roll.No:

Date:

Standard:VIII

A/B/C/D

Subject: Mathematics Revision Worksheet
[Term - 1 Examination]

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| 1. | Solve the following:

a) Find the square of 97 by using column method. | b) Find the square root of 175561 by long division method. |
| | c) Find the cube root of 117649 by prime factorisation method | d) If the value of x , if the cube of $1 + \frac{3}{5}$ is equals to $4 + \frac{x}{125}$ |

2.	Find the values of the letters in the following puzzles:
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a)

	A	3
×	A	B
5	C	8

b)

$$\begin{array}{r} 42A \\ + 2A3 \\ \hline 711 \end{array}$$

c)

		R	G
6	5	P	J
—	5	4	
		3	J
	—	3	6
		0	0

d)

8	5
26	
3	4

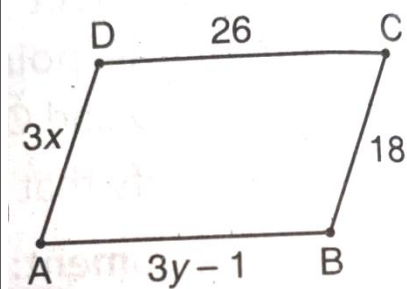
7	4
18	
1	8

5	2
?	
9	4

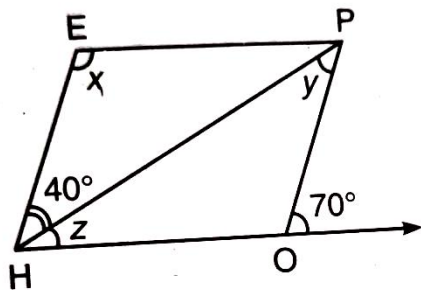
3.	Find the value of y , for which $13y48$ is divisible by 9.
4.	Write 781 in Base-5 system using the symbols.
5.	Represent 100 in both Egyptian and Mayan system
6.	Find the number of sides of a regular polygon. If each of its exterior angle is 24° .

7. Find the smallest and greatest angle of a pentagon whose angles are in the ratio $7 : 1 : 3 : 5 : 4$.

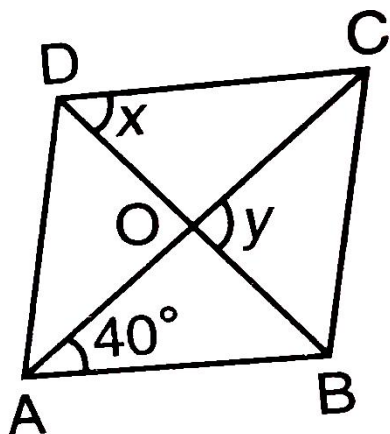
8. In the given figure. ABCD is a parallelogram. Find the values of x and y (in cm).



9. In the given parallelogram HOPE, find the angle measures x , y and z .



10. In the given figure ABCD is a rhombus. What is the value of $y - x$?



11.	In a class A, the ratio of boys to girls is 12 : 18. And In Class D, it is 16 : 24. Check if classes are in the same proportion of Boys and Girls.	
12.	A solution of 240 mL contains acid and water in the ratio 2 : 10. Find the amount of acid and water.	
13.	a) Convert 80°C into Fahrenheit	b) Convert 140°F into Celsius
14.	A plot is 500 m into 400 m. Find its area in hectares.	

15. A ₹ 10 coin is made of an alloy of copper and nickel in the ratio 3 : 1. The coin weighs 7.74 g. If copper costs ₹ 906 per kg and nickel costs ₹ 1341 per kg, what is the cost of the metal in the coin?

16. A mixture weighs 40 kg with sand and cement in the ratio 3 : 1. How much cement should be added to make the ratio 5 : 2 ?