

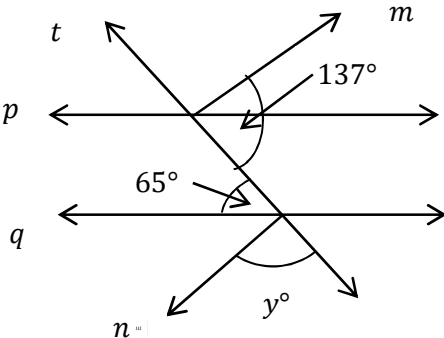
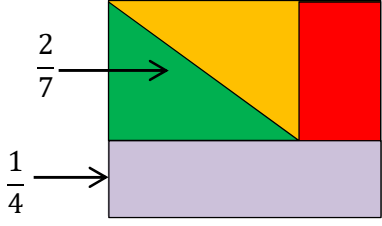
SATISH CHANDRA MEMORIAL SCHOOL

CLASS: VII

PUJA VACATION HOMEWORK

SUB: MATHEMATICS

A. Choose the correct option:

1. If one convert $\frac{3}{16}$ into percentage the value will be –							
(a)	18.5%	(b)	1.875%	(c)	18.75%	(d)	28.75%
2. Which of the following rational number lies between $\frac{-15}{28}$ and $\frac{3}{7}$?							
(a)	$\frac{13}{28}$	(b)	$\frac{-4}{7}$	(c)	$\frac{12}{28}$	(d)	$\frac{-1}{2}$
3. If we convert 17.25% into ratio , it will become							
(a)	69: 400	(b)	1725: 100	(c)	400: 69	(d)	69: 100
4. If 90% of x is 315 km, then the value of x is							
(a)	325 km	(b)	350 km	(c)	405 km	(d)	340 km
5. In the adjoining figure, $p \parallel q$ and $m \parallel n$, t is the transversal for both pair of parallel lines. Then, the measure of $\angle y$ is							
							
(a)	33°	(b)	115°	(c)	43°	(d)	25°
6. If the length of two sides of a triangle are 4.5cm and 3.8 cm, then which one of the following can be the possible length of the third side?							
(a)	9.3 cm	(b)	1.2 cm	(c)	10.2 cm	(d)	10.3 cm
7. In the adjoining figure, the gray rectangle represents $\frac{1}{4}$ th part of the bigger rectangle. Each triangle represents $\frac{3}{7}$ th part of the total area. Then the percentage of area for the red rectangle of the total area of the larger rectangle is							
							

(a)	$17\frac{6}{7}\%$	(b)	$17\frac{3}{7}\%$	(c)	$13\frac{6}{7}\%$	(d)	$17\frac{1}{3}\%$
8. $\frac{25\% \text{ of } 50\% \text{ of } 72}{36 \times 21}$ is equal to							
(a)	$\frac{1}{24}$	(b)	$\frac{1}{84}$	(c)	$\frac{1}{48}$	(d)	$\frac{1}{21}$
9. Assertion: $-x^2y^3$ is the literal co – efficient of the term $-32x^2y^3$ Reason: Literal Co – efficient of a term is actually the variable part of a term.							
(a)	Assertion and Reason both are true and Reason is the correct explanation of Assertion.						
(b)	Assertion and Reason both are true but Reason is not the correct explanation of Assertion.						
(c)	Assertion is true but Reason is false.						
(d)	Assertion is false but Reason is true.						
10. If a person walks in the south direction for 20m , then turn right and again walks 21m to reach the place of destination, then how far and in which direction is the place of destination from his house?							
(a)	29m , South-East	(b)	29m, North-west	(c)	41m, South-West	(d)	29m, South-West

B. CASE STUDY

STYLE BAZAAR KANCHRAPARA, 24 PGNS(NORTH), WB, 743145 <u>TAX INVOICE</u>				
Customer Name: Pramit Choudhury			Date: 07-10-2024	
Customer Contact No. : 8123004819				
Name of Item	Quantity	Price per item	Discount per Item	Amount to Pay
Kurta	2	Rs. 750	20%	
Jeans	1	Rs. 1650	30%	
Formal Shirt	3	Rs. 700	15%	
Lehenga	1	Rs. 3500	40%	
Female Top	3	Rs. 360	25%	
Bed sheet	2	Rs. 850	30%	
Sunglass	4	Rs. 190	5%	
			Total price:	
			GST (5% on Total price)	
			Net Payable Amount:	

The above table is an incomplete bill of a customer named Pramit Choudhury who went for puja shopping on yesterday in the Style Bazaar, Kanchrapara. When he visited thee, he noticed that there were two offers going on for the Puja Shopping in Style Bazaar. First one, if a person did a shopping of more than Rs. 2999 (excluding GST) but less than Rs. 4999

(excluding GST), he / she will get a Dinner set of Rs.1999, just by paying Rs. 59 more and if one did shopping of Rs. 4999 or more than that (excluding GST) then he/ she will get an American Tourister trolley bag of worth Rs. 6499, just by paying Rs. 199 more.

Q1. Complete the bill and calculate how much did he pay for the shopping?(including GST)

Q2. Which offer did Pramit get for his total shopping?

Q3. If we consider that Pramit availed the offer, then how much in total did he pay finally?

C. ACTIVITY: 5

TITLE OF ACTIVITY: Plotting of Rational Numbers on Number Line

What to do: Plot $\frac{12}{5}$ and $\frac{-20}{9}$ on two separate number line

How to do: In your activity copy, you will perform this individual activity.

- In the white side of your page, you will draw two separate number lines and plot the above mentioned rational numbers on them by using pencil only.
 - In the ruled side of the page, you will write the following points to describe the process of performing the activity –
 - i) Objective
 - ii) Pre-requisite Knowledge
 - iii) Materials Required
 - iv) Procedure
 - v) Observation
 - vi) Conclusion
 - vii) Learning Outcome
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