

## INDIAN SCHOOL AL WADI AL KABIR Class VII, Mathematics Worksheet 2- COMPARING QUANTITIES

OBJECTIVE TYPE (1 Mark)											
Q.1.	Selling price of an item is:										
	A	Profit + cost p	rice	В	Cost price + loss	С	Cost price - profit	D	Loss – cost price		
Q.2.	Th	There are 40 children in a class. 25% like playing football. How many children like playing football?									
	A	10		В	20	С	30	D	40		
Q.3.	$\frac{1}{4}$	- as per cent is:									
	A	20%		В	25%	C	30%	D	$12\frac{1}{2}\%$		
Q.4.	Th	e price of petro	ol per litre has risen from ₹48 to ₹52. By what per cent has the price risen up?								
	Α	40%		В	4%	С	25%	D	$\frac{25}{3}\%$		
Q.5.	Αv	watch was purchased for ₹ 316 and sold for ₹ 300. What is the loss?									
	A	₹8	]	В	₹16	С	₹24	D	₹32		
Q.6.	Fin	nd the number whose 14% is 28.									
	Α	250	]	B	300	С	200	D	450		
Q.7.	If c	ost price of an	article is ₹500 and profit is ₹25, then profit % is:								
	Α	5%		В	15%	С	10%	D	50%		
Q.8.	If 9	If 90% of x is 315km, then the value of x is:									
	Α	325km	]	B	350km	C	405km	D	340km		
Q.9.	If I	If Interest = I, Principal = P, Rate of Interest= R, Time = T, then which of the following is correct?									
	A	$P = \frac{TR}{I} \times \frac{TR}{I}$	<b>100</b>	В	I = PTR × 100	С	$T = \frac{I \times 100}{PR}$	D	$R = \frac{PT}{I} \times 100$		
Q.10	Со	nvert 18 % to f	raction in	the s	implest form:						
	Α	$\frac{6}{25}$	]	В	<u>9</u> 50	С	<u>9</u> 5	D	$\frac{50}{9}$		

Fill in the blanks(1mark)								
Q11.	Out of 25 children in a class 19 are girls. The percentage of boys is							
Q12.	Percentages are numerators of fractions with denominator							
Q13.	A football team played 30 matches in one season and won 40% of them. Number of matches they won is 0.04 =%							
Q14.	0.04 =%							
Q15.	75% of 12 =							
	SECTION B (2 marks)							
Q16.	By selling a laptop for ₹23000, a dealer earns a profit of 15% , what is its cost price?							
Q17.	If the angles of a triangle are in the ratio 1:3:5. Find the value of the greatest angle.							
Q18.	Acid and water are mixed in the ratio 2:9. Find the quantity of acid in 66 litres of dilute acid.							
Q19.	Convert the following to per cents:							
	a) 3.5 b) $\frac{49}{50}$ c) $\frac{2}{2}$							
Q20.	Cost of an item is ₹550. It is sold with a profit of 10%. What is its selling price.							
	SECTION C (4marks)							
Q21.	<ul> <li>a) There are 25 radios, 16 of them are out of order. What per cent of radios are out of order?</li> <li>b) A shop has 500 parts, out of which 5 are defective. What per cent are defective?</li> </ul>							
Q22.	Convert each part of the ratio to percentage:							
	a) 1: 4 b) 1: 2: 5							
Q23.	Find profit or loss percentage in each case:							
	<ul> <li>a) A cupboard bought for ₹2500 and sold at ₹3000.</li> <li>b) A skirt bought for ₹250 and sold at ₹150.</li> </ul>							
Q24.	What sum of money lent out at 12 % p.a. simple interest would produce ₹ 9000 as interest in 2 years?							
Q25.	Find the amount to be paid at the end of 3 years for ₹1100 at 11% rate of interest per annum.							

	ANSWERS								
Answers	Q.1.	A) Profit + Cost price	Q.2	A) 10	Q.3.	B) 25%	Q.4	D) $\frac{25}{3}\%$	
	Q.5.	₹16	Q.6	C) 200	Q.7	A) 5%	Q.8	B) 350km	
	Q.9.	c) T = $\frac{I \times 100}{PR}$	Q.10	B) $\frac{9}{50}$	Q.11	24%	Q.12	100	
An	Q.13	12	Q.14	4%	Q.15	9	Q.16	₹20000	
	Q.17	100°	Q.18	12 litres	Q.19	a) 350% b) 98% c) 100%	Q.20	₹605	
	Q.21	a) 64% b) 1%	Q.22	a) 20%, 80% b) 12.5%, 25%, 62.5%	Q.23	a) Profit% = 20% b) Loss%= 40%	Q.24	₹37500	
	Q.25	₹1463							