

d) 64

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6. The G.C.D of two numbers is 12 and their L.C.M is 240. If one of the numbers is 60. Find the other number. (3mks)

 $N = GC.D \times L.C.M 12 \times 240 48$ 60

7. If x=-2, 7=-6 and Z=4. Find the values of (a) <u>4xy</u>

$$\frac{4x - 2x - 6}{4}$$

(b) 4z+2y-x4x4+(2x-6)-(-2)16+(-12)-(-2)16-12+2=6

8. Three tanks are capable of holding 36, 84 and 90 Litres of milk. Determine the capacity of the greatest vessel which can be used to fill each one of them on exact number of times. (3mks)

I			1	
3	36	84	90	_
2	12	28	30	
				Page 2 of 3
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(3mks)

(3mks)



(4mks)

- 9. Test whether the following numbers are divisible by 3.
- a) 1257

1+2+5+7=15 divisible by 3

b) 7203
7+2+0+3=12 divisible by 2

10. Three bells ring at intervals of 40 minutes, 45 minutes and 60 minutes. If they ring simultaneous at6.30 a.m. at what time will they next ring together.(4mks)

2	40	45	60	$2^{3}x3^{2}x5$
2	20	45	30	
2	10	45	15	360min
3	5	45	15	1hr=6cm
3	5	15	15	
5	1	1	1	<u>360=6hrs</u> 60 6hrs
				6.30
				12.30p.m

11. A bookstore had 30816 exercise books which were packed in cartons. Each carton contained 24 exercise books. The mass of an empty carton was 2kg and a full carton 12kg.

a) How many cartons were there	(2mks)
I CARTON= 24bks	
30816	

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30816/24=1284 cartons
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<u>+6</u>

b) What was the total mass of the empty cartons. (2mks)

1284 x 2568kg

c) What was the total mass of books alone? (2mks) 24bks=10kg 30816=? $\underline{30816 \times 10}=12840kg$ $\underline{24}$