A-PDF Image To PDF Demo. Purchase from www.A-PDF.com to remove the watermark

Chapter - Squares & Square roots

- 1. Simplify:
- + 1.44 x 5.25 h 5.25 x 7.29 c . 1000 x 150

 Find the smallest number by which 588 must be multiplied so that it is perfect secure.

3. Find the smallest number by which 396 must be divided so that it becomes a perfect

4. Credition Methods in Prime Factorization Methods

- a. 1024 b. 15625
- 5. Find the square root of 0.0064
- 6. Find the most at 3 digit number which is a perfect square
- 7. Find the value of x if 1+5/12 = 1+x/12
- 8. Find the square root of 2.5 correct to two places of decimal.
- a support of A digits which is a perfect square

10. Find the least number which must be subtracted from 18265 to make it a perfect square. Also find the square root of the number so obtained.

 Area of a square field is equal to the area of a rectangle whose length is 18cm and breadth is 15cm. Find the length of the side of square field.

12. Write the least number of 6 digits which is a perfect square. Also find the square

 Area of a square field is 3136m2. A rectangular field whose length is thrice its breadth, has its perimeter equal to the perimeter of square field. Find the area of sets used/ar field.

$$B \log^2 + ng + \frac{g^2}{2} - 4xy + 6yz - 12z.$$

$$B \setminus (7x + 4y)^2 - (7x - 5y + 3)^2$$

$$ab2(a + 7b)(a^2 + 4b^2)(a^4 + 16b^4)$$

- 19. Find the value of $(565 + 435)^2 4 + 565 + 435$ with algebraic identities
- 21. If the expression 2 + 2 + 2 + x + 0.3 + 0.3 will be a perfect square, then find the
- 22. If $x + \frac{1}{x} = 11$, then find the value of $x \frac{1}{2}$

ASSIGNMENT SHEET

TOPIC-INTODUCTION TO GRAPH

10 10		Write Shock Write Shock Write ordin. Write the do Write the co Plot the poor		H (3,4) point (-3,-5) from point (2, 3) from M bright (5,4) and 2,4) or	1 4 67 1 2X4401 1,621-015	the sen W	u fgure ohter	ed Also Sea	
(a) """"""""""""""""""""""""""""""""""""	(90)							1. OF 455. 2424	
Another and an analyzing of the strength									
Non-section and the section of a loss of a	(33)					non-ted - P	er relation perio	Westerne X So	PR. 1
$\begin{array}{c c} \hline \\ \hline $									
Image of the second s									
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $									
0 March and a bits area density 10 The although and an although and although and although and although and although and although altho									
Image: State	(30)			the number o	Agents a Act			HIV GALING	
Instructure 100 <th< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></th<>									
Dim The distance (bits parcy): here a dimension. grad of a mean <thgrad a="" mean<="" of="" th=""> grad of a mean</thgrad>									
Overs 10 20 3 6 9 5 9 5 9 5 9 5 9 5 9 5 9 5 9 5 9 5 9 5 9 5 9 5 9 5 9 5 9 5 9 5 9 5 9 5 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 9 9 7 9 7 9 7 9 7 9 7 9 7 9 7 9 7 9 7 </th <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>									
Overs 1 2 3 4 5 3 10 6	(3011)	Vears No. of patient Draw the gra The following work and tim No. of person	AS 150 phi represent g table gives in Laken to co is 2	170 ing the above it the information espice the work	a garding the		205	230 oved to a pr	
		Years No. of patient Draw the gra- The following work and tim- No. of person Tume taken (0)	All Pages and Al	175 ing the above it the information espects the work 2 4 5 eng the above of	garding the	n nami ver	235 ervors cristi 3 3	230 pyed to a p 12 2	ece of
	(XEV)	Years No. of patient Deaw the grat The following work and tim No. of periori Time taken the Deaw the grat The runs score	2002 as 150 phi represent g table gives at taken to co ii 2 n days) 1. ph represent ab represent ed by tare to	173 ing the above it the information expicts the war 2 4 5 eng the above it pers A and B in	92 garring (b) h h 10 (0) (t) - 1 h	n num viti -	235 ervors cmoh 3 3	230 byes to 2 pe	

Datus the arare desicting the data on the sile and t each car

assignment Sheet (Std. - VIII)

Subject - Mathematics

Chapter – Profit, Loss and discount

- By selling a mobile phone for Rs. 6800,the shopkeeper loses 15 minutes Bain or loss percent if he sells it for Rs. 7200.
- 2 By selling 42 oranges, a person loses a sum equal to the selling price of a pranaes. Find his loss percent.
- An almirab of marked price Rs 4000 is sold for Rs. 3700 after a certain discount. Find the rate of discount.
- 4 A man buys 10 articles for Rs. 120 and sells 8 articles for Rs. 100 mm ms are of Rain percent.
- 5 The cost price of 5 articles is equal to the selling price of 6 articles . Find the loss or gain percent.
- The cost price of 18 chairs is equal to the selling price of 16 chairs. Find his loss or eain correct.
- 7. By selling 288 hens, Ram loses a sum equal to the selling price of 12 hens find his loss percent
- 8 A shopkeeper allows 25% discount on the marked price of the sarees and still makes a profit of 20% if he gains Rs.225 over the sale of one saree. Find the marked price of saree.
- 9 A man sells an article at a profit of 25% if he had bought it at 20% less and sold it for Rs.36.75 less he would have gain 30%. Find the cost price of the article.
- 10. Ravi bought the following articles from a store:

i.Pair of shoes costing Rs.700, VAT @5%

ii.Television costing Rs.10900,VAT@10%

iii.Clothes of Rs.800,VAT@8%

Calculate the total amount of the bill.

- How much a shopkeeper must mark his goods so that are means price of discount of 25% on the marked price. he still gains 20% if the cost price of the goods is 8s 20000.
- 12 Marked price of a water cooler is Rs. 4650. The shopAreplet season discount of 125 on its M.P. and still gains 10%. Find the cost price of the water cooler.
- 13. Heena bought two pairs of jeans for Rs 725 each. She sould shall be gain of 8% and other at a loss of 4%. Find the gain or loss % in the whole transaction.
- Rohit marks his goods at 40% above the cost price but allowed 5% for cash payment to his customers. What actual profit does he make if he receives Rs. 1064 after allowing the discount?
- Arman purchases two fans for Rs.2160. By selling one fan at a profit of 15% and other at a loss of 9%, he neither gains nor loses in the whole transaction. Find the cost price of each fan.
- 16. A tricycle is sold at a gain of 16%. Had it been sold for Rs. 100 more, the gain would have been 20%. Find the C.P. of the tricycle.
- Shiksha purchases a car with a M.P. of Rs 210000 at a discount of 5%. If VAT is charged at a rate of 10%, find the amount she has to pay to purchase the car.
- A toy was sold at a gain of 12%. Had it been sold for Rs. 33 more, the gain would have been 14%. Find the cost price of the toy.
- 19 Ram goes to a shop and buys :

1.2 pairs of shoes for Rs.900 each, VAT @ 5%

HI Itea set foe Rs.700, VAT@ 7%

iii.2shirts for Rs.500 each , VAT@ 8%

Calculate total amount to be paid.

20. The difference between two selling prices of a shirt at profits of 4% and 5%

I.C.P. of the shirt.

ii, two selling prices of the shirt.

ASSIGNMENT SHEET

CLASS- VIII

SUBJECT-MATHEMATICS

TOPIC- DIRECT AND INVERSE VARIATION

This which of the following marking wars downly with such other

US. Number of article (a) and their price (a)

ter: Weight of article (a) and they pricely

got hered in (a) and destance is (a)

lives Spread is (x) and time is (y)

but thursdays of lationary (a) and turns (a)

(7) fill boxes of a certain commodity require a shall length 13.6 more incommonly boxes of the same commodity

and the second s

141 If \$3 men can the a piece of work in \$40 days, in New many days, 28 men will be \$3 more many men will be experimented

complete the work in \$2 days?

which have a stand of the stand

bill if a such a party of simple is such other, and \$ -10 and \$ -1. Find \$ and

and the same fight in 10 mays

(EI) 1200 soldier in a Bort had enough food for 38 days, after 4 days, some soldiers were standarted

hus food lasted now 37 more days more many toxy or or or or or

the Arms is denoted his car at a constant speed of 45 km/hr

and show that will have small bury 2 20 manufacts?

the second a distance of 160 kms?

a station 150m long

good a transferred and contents. Softain mixed bag of see, with the of speece maw much and does fortain managed to

and along an conner?

and a store store burg is repetting at a speed of 108km/ty. Now much size (in seconds) with these of the

tong?

seed 320 men had food provision for 200 days. After 5 days 30 men ded due to an epistemic restriction

Acres Upse?

2. In the given fig. I il mid ind the value of a and a line segment AB=5 cm. Find a 9. Draw point R on it south that AR= 2 AB 10. Draw a line segment PO = 7.7cm. Find a boint S on it such that PS = 3.95.

I Find the volume of a side arm in cylinder whose even france of base is so in and highly a Sim I find the total surface ion of a will above legth breadth and height are a perievaly is and 11 com 3 Find the rates of surface arras of new cube formed to original, if each edge take a smalled. I see of a teaperture stoped ful is yound the distance between parallel , des 10:15 m and one of the parallel sides is some Red the i the parallel side. I If the nativifall on as open day was 5000, how many litres of water fall on I had " of field on I have allered angle of a sublegion with shick has I The curved Surface area of a cylim real filler as 244 m and ile volume as 124 °, For the deamater muse of the pillar . The length kendth and ringht of a woon are 4.5 m, 3m, 4m respectively. Sind the cost of plastering the golds and leading @ Rs 8 per space weber A rectangular sheet of 1 for 20 33 ~ long and 32 cm has an area of 12/212 wide it is rolled along i dryger t make a gluder of height 32 cm. A serve by short (poper is althoughed to the below of the app de fair to find the fi

UN Sta " Enpress in Reponential Forme " \$ \$100 A worthe the fallowing in sealical forming (4) it (b) (25) () 3⁵⁵x 3⁶ 3⁵⁷x 3¹⁸ (d) (2)⁴ (b)⁴ (f)⁴ (f)⁴ (f)⁵ (g)⁴ (a) $(3x)^{\frac{1}{2}} x (3x)^{\frac{1}{2}}$ (b) $\frac{5^{\sqrt{3}}}{(3)^{1/3}} \frac{3^{\sqrt{3}} x (4x)^{1/3}}{(4x)^{1/3}} \frac{2}{(3)^{\sqrt{3}}} \frac{3^{4\sqrt{3}} + 3^{\sqrt{3}}}{9^{4\sqrt{3}} + 2^{\sqrt{3}} \times 3}$ () Determine & to that : (a) 5 - 3 4:3 - 384 (b) $b_{-}^{*} = b_{-}^{*+1} = g_{+} = c_{+}^{*} b_{+}^{*+1} = b_{+}^{*+1} = b_{+}^{*} c_{+}^{*} b_{+}^{*+1} = b_{+}^{*} c_{+}^{*} b_{+}^{*} c_{+$ (i) Simplify: a) $\left[\sqrt[4]{x^2y} \frac{1}{y^2y^2} \right]^{-1}$ b) $\frac{q^2 x}{3^{-2}x} \frac{1 \times 8^{\frac{1}{2}}}{1 \times 8^{\frac{1}{2}}}$ 9) Find the value of: (a) (3031) (4 (b) (31()) (c) 4/2 (b) 34 and 1 die 3 the final the value of at-12 (30) 3 10 dy what marker, should not the tabley 188 that the product may be again 36 109 B) By what number should (a) be with lood to that the 3) By what number should be abilite 16 to obtain 1) By what number should (\$) be multiplied to that beduct may be (3)"? 15 fine x + (2)" x (3)" (2) x +

) Divide (1) 6x3y3 by 3xy (10 - Diabe by Tabe 2) Divide (1: 9m3 + 18m3 - 62° by 3m2 (1:) garero + 42032 - 4002 by 3m2 (111) -x +2x +4x3 + 8x by 13 x2 3) Divide 108+x-4x3+x3 by x-3. (1) 14x3-5x2+4x-1 by 9x-1 (10) 30x"+11x3-80x"- 10x+48 by 3x2+0x-4 (V) 10x + 17x3 -62x8 + 30x-3 by 2x8+7x-1 4) Visity divison algorithm in each of the stellowing: Dividend ----H (ii) 15y"-Ky"+9y"-15 y+6 (TA) 34x - 98x - 19x - 10x - 10x - 75 5) Using division of polynomials, state whether (1) $3f^2+5$ is a further of $8g^5+18g^2+18g^2+18g-35$ (i) == + 3 is a factor of == 92. (1113 2x2-x+3 is a Jacker of 6x -x +++x3-5x3-x-15. 6) Divide 1st polynomial by and by using facture method ! (in) a' it by a-b. 1) what must be added to x'-2x-1 ab that "it's a factor of given plynom of find the value of a if x+2 is a factor of

2, solve the following dimes equation .: + 15 3× · 5 = 15. 81 1 + + + = 2 x+10 2, one figh of a number increase by 5 is equal to 4 less than and forther of that mumber. Find the number 3, 3, of a number it 20 les itre its number find 4. The presenter of a rache fir is a comm. If the length In internation by to be and it has to is increased by Bogs we get the same premius Find the begin and the benefits of the rectargle. 57 Difference between the equaries of this convention no is 31. Find the number

6. I have total offlors constituing of the and five report notes. The manufact of the report motes that I have a the more than the manufact of five refers only two many note do I have of each denominations. 7, & number is 56 greater three the average of its third, Quester and one trulfth. Find it. 1) A number is duck that it is as much greater than 24 - as it is bear than 108 of After timbre years I shall be three times or old as I was four your ago. End my present 16. The sum of two numbers is 2490. If EST. of One number the equal to 8:5% of Eller Find the 11. Find a number whose double is 45 greater 12. Find the remain duck that when five is Subtracted form fire time the number the well is force more than times the number 13. Divide 184 into two parts such that one the of our part way exceed one second of another part by eight. 14, 38 som of concentive even numbers is 134 5) if the difference between the squares of the considered of the