Howe now

Clars-VI (histor Brook)

1. which is greater - (i) 1.23 or 1.2 (ii) 1.431 or 1.490

2. Express as rupees mon using decimals—
(i) Among 75 Paise (ii) 725 Paise (iii) 50 rupees go fain

3. Express as km using decimals
(i) 88 m (ii) 8888 m. (iii) tokm 5 m.

4. Extress as kg using decimals-(i) 37509 (ii) 125 gram (iii) 5kg 8g.

5. Find the Sum — (9) 27.076 + 0.55 + 0.004 (b) 15+0.632+13.8

6. Rashid spent B 35. 75 formalks book and Rs 32.60 for science book. Find the total amorems about by Rashid.

amount spent by Rashid.

It. Sun it travelled 15 km 268 m by bus, Ikm

It m by Car and 500 m on foot is order to

reach the school. How far is her school from

her residence.?

8. Rani had Rs 18.50. She bought one ice-cream for Rs 11.75. How much money does she have you?

9. Raju bought a book for Rs 35.65. He gave As 50 to the Shopkeeper. How much money did he get back from the Shopkeeper?

10. In a malhematics test, the followings marks here obtained by 40 students.

Arrange These marks in a table using

-tally marks 5	1 4 2 \
8744 1007 1007 1007 1007 1007	5 2 7 5 8 6 4 6 6

(a) find how many students obtained marks equal to or more thous 7? (b) How many students obtained marks below 4,? (a) Exemple perimeter of the following figures com (12.) Find the perimeter of a regular Pentagon is 100 cm. How long is its each side. (13) find the cost of foreign a Aquare Park of side 250m at theofer rubees 20 per m. (14) what is the cost of tiling a rectangular plot of land soom long and 200m wide at the rate of Rs 8 per hundred eq. m.? (15) The area of a rectangular garden 50 m long is 300mp by m. I Rvid the Width of the garden. _'p'____

Holiday Home-work Class-VII, (Winte-Break)

(D) Classify into monomials, binomials and trinomials (i) 4y-72 (ii) y2 (iii) x+y-ry (iv) 100 (v) ab-a-b (vi) 5-3t (vii) 4pq-4pq2 (viii) 7mm (lx) x2-3z+8 (x) a2+b2 (xi) x2+z (xii) 1+x+x2 (2) Identify like terms in the following:

(2) Identity like terms in the following:
(9) -xy2; -4yx, 8x2, 2xy2, 74, -11x2, -100x
-117x, 20x2y, -6x2, 7, 2yx, 3x.

(3) Simplify the expressions and find the value of the expression of x is equal to 2.

(i) x+7+4(x-5) (ii) 3(x+2)+5x-7(iii) 6x+5(x-2) (iv) 4(2x-0)+3x+1

(4) Simplify the expression and find its value when a=s, b=-3

2(a2+ab) +3-ab.

(5) Express each of the following as a product of powers of their prime feetors:
(a) 648 (b) 405 (c) 540 (d) 3600

(e) 3 miskiph; -

(in) 2x2x4 (n/3+2)x2 (n) 42x48p3

(b) Express each of the following as a product of prime feetors only in exponential form (i) 108 × 192 (ii) 729 × 64 (iii) 768.

(4) Brimbergh; (a) 32×2,×48 (P) 32×102×52

(8) List fire rational numbers between (i) -1 and 0, (ii) -4 my - 3 (9) Give four of rational numbers equivalent to equivalent to $\frac{1}{2}$, $\frac{1}{2}$, $\frac{1}{2}$, $\frac{1}{2}$, $\frac{1}{2}$ (10) Rewrite the following rational numbers to the symplest form -(i) -8 (ii) -47 (iii) -8 (iii) -8 (11) Find is = 17 (11) = x(-9) (in -6 2-9) (11) $-\frac{8}{19} + (-\frac{2}{57})$ $(N - \frac{15}{4} \div (-\frac{13}{13})$ (N) - 2 - 6 12) of the circumference of a circular

Sheet is 154m, find its radius. Also find the over of the sheet (T=2)

(13) How many times a wheel of radius 28 em wist rotate 40 20 325 m3 (x====)

(14) from a circular sheet of radius 4cm, a circle of radius 3cm is removed for find the area of the remaining sheet

Moliday Mome work (winder Broak) Class- VIII, Sub: Marks. Solve all the following greations -(2.) Add: 12+m2, m2+22+22 from 129-3ab+26-3 (2.) Add: 12+m2, m2+n2, m2+12 from +2mn+2ml. din , - my , myp. (iii) (-13 pq3) (= p3q) (4) Simpliby: a | a2 +a+1)+5 and find its value Jar 009=0, Ui) a=1 (2) 3 m/2(cg/2:- (1) (25-2) (x+2) +32-

(ii) (242) (12+2) 42 (iii) (x5-x4+2)

(6) The orea of a trapezium is 34 cm² and langth of one of the parallel states is lown and its height is hem. Find the length of the other parcelled sides.

(7) The diagonal of a shombus care 7.5 cm and 12 cm. Find its area.

(8) The floor of a building consists of 3000 tiles which are shombus shaped and each of its diagonals are 45 cm and som in length. Find the total cost of polishing the floor it the cost per m2 is Rs4.

(9.) A closed cylindrical tank of radius for 7m and height 3m is made from 9 Sheet of metal. How much sheet of metal

(10) A road roller takes 750 complete revolutions to more once over to level a road. Find the area of the road it the length is Im. roller is skeam and

(11.) Find the height of the cylender whose volume is 1.54 m3 and diameter of The base is 140 cm (12) A milk tank is in the form of cylinder whose radius is 1.5 m and length is 7 m. Find the greantity of milk in litres that can be stored in the tank. (13) Find the value of (i) (30+47) x22 (ii) (4) +(43)2+(45)2 (iii) $(-\frac{2}{3})^{-2}$ (iv) $\frac{8^{-1} \times 5^{2}}{2^{-9}}$ (v) $(5^{-1} \times 2^{1}) \times 6^{1}$ (14) Find the value of m for which 2m - 2-3=22 (15) Simpoliby!
(15) Simpoliby!
5-3×10×4

(240) UI) 35 x 105 x 125 (16) Express the following numbers in Standard form CD 0.000000000082 uij 0.0000000000942 (jij) 3186000000. 「新されらいのでかり、1 東マンかり かかり、エーキッカー 中 4019

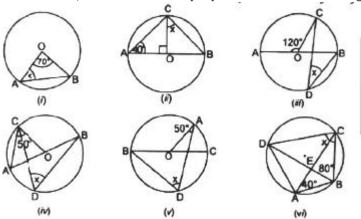
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KENDRIYA VIDYALAYA JHAJHA

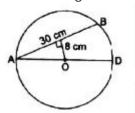
WINTER BREAK HOLIDAY HOMEWORK

CLASS-9TH, SUBJECT- MATHS

1. If O be the centre of the circle, find the value of $\diamondsuit x \diamondsuit$ in each of the following figures.

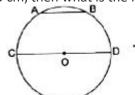


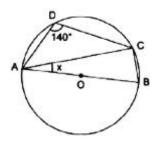
2. AD is a diameter of a circle and AB is a chord. If AB = 30 cm and its perpendicular distance from the centre of the circle is 8 cm, then what is the length of the diameter AD?



- 3. A circle of 30 cm diameter has a 24 cm chord What is the distance of the chord from the centre?
- **4.** A chord AB of a circle with centre O is 10 cm. If the chord is 12 cm away f om centre, then what is the radius of the circle?
- **5.** If the diameter AD of a circle is 34 cm and the length of a chord AB is 30 cm. What is the distance of AB from the centre?
- **6.** What is the length of a chard which is at a distance of 4 cm from the centre of a circle of radius 5 cm?
- **7.** If the radius of a circle is 13 cm and the length of its chord is 10 cm then what is the distance of chord from the centre?
- **8.** If the distance of 10 cm long chord from the centre of the circle is 12 cm then what is the diameter of the circle?
- 9. In the figure. AB and CD are two chords of a circle with centre O, such that C, O, D are collinear

and $AB = \frac{1}{3}CD$. If AB = 3 cm, then what is the radius of the circle?





10.	In	the figure.	O	is the centre	of the	circle.	If	∠ADC = 140°,	then	what is	the	value	of a	۷,
±0.		tile ligale,	\sim	is the certific	OI CIIC	CII CIC.		_, \DC,	CIICII	VVII GC IS		Value	\circ	٠.

- (i) 45°
- (ii) 55°
- (iii) 60°
- (iv) 45°
- 11. find the surface area and volume of a sphere of radius 7cm.
- 12. Find the surface area and volume of a hemisphere of diameter 16 cm.
- 13. Find the total surface area of a cone of radius 6cm and height 10cm.
- 14. Find the total surface area of a cylinder of radius 8cm and height 12cm.
- 15. Find the volume of a cylinder of radius 4cm and height 14cm.

REVISE FOR PT-3 EXAMS.