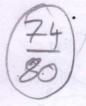




APEEJAY SCHOOL, SHEIKH SARAI-I

PERIODIC ASSESSMENT-II, 2017-18



25

CLASS-VII-C (A 2)
MATHEMATICS
MATN PAPER

Time allowed: 3 hrs.

M.M. : 80

General Instruction:

- Q. 1-Q. 10 are of 2 marks each.
- Q. 11-Q. 20 are of 3 marks each.
- Q. 21-Q. 24 are of 5 marks each.
- Q. 25-Q. 34 are of 1 mark each.
- 1. Represent $\frac{-11}{3}$ on the number line
- The sum of two numbers is $\frac{-7}{13}$. If one of them is $\frac{14}{39}$, find the other.
- 3. Express in standard form :

(i) 25615.0489

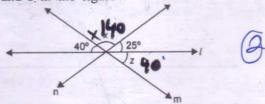
(ii) .003586 × 10°.

4. Express in exponential form :

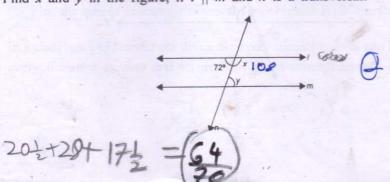
(a) 81

(b) 216

5 Find the value of x and z in the figure :



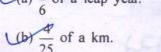
6. Find x and y in the figure, if $l \mid m$ and n is a transversal.



32

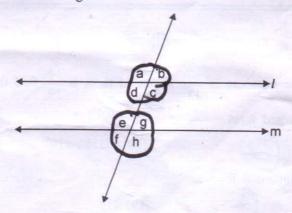
P.T.O.

- T. Find :
 - $(a)^{\frac{5}{6}}$ of a leap year.

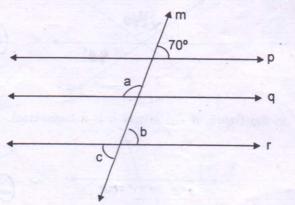


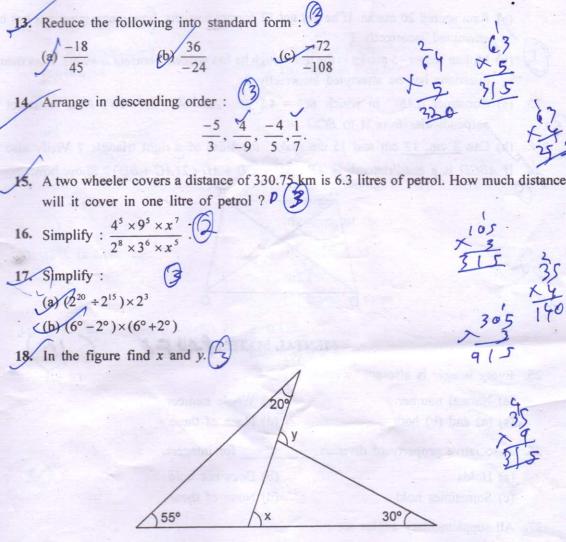
- 8. Simplify $4 \times 8 + (-12) \div 3$.
 - 9. State Pythagoras property.
- 10. Check, whether you can construct a triangle with two angles as 110° and 80°. If yes, why?

 If, No, why?
 - 11. From the figure identify $(l \mid | m, n)$ is a transversal)
 - (a) a pair of corresponding angles. LBG, LAR
 - (b) a pair of alternate angles.
 - (c) a pair of co-interior angles.



12. In the figure $p \mid\mid q, p \mid\mid r$ and $q \mid\mid r$, m is a transversal. Find a, b, c.





Construct a right angled triangle, whose hypotenuse is 7 cm long and one of its legs is 4 cm

Verify that:

$$a \times (b+c) = (a \times b) + (a \times c)$$
 for $a = -4, b = -5, c = 3$

21. (a) If one kg of wheat costs Rs. 16.60, what will be the cost of 58.25 kg of wheat. (b) Find the area of a rectangular sheet of paper which is $10\frac{2}{3}$ cm long and $5\frac{3}{4}$ cm broad.

In a class test (+3) marks are given for every correct answer and (-2) marks are given for every incorrect answer and no marks for not attempting any question.

- (a) Ram scored 20 marks. If he has got 12 correct answers, how many questions has he attempted incorrectly? (b) Mohan scores -5 marks in the test though he has written 7 correct answers. How many questions has he attempted incorrectly? 23. (a) Construct $\triangle ABC$ in which BC = 4.5 cm, $\angle B = 60^{\circ}$, $\angle A = 55^{\circ}$. Also construct a perpendicular from A to BC. (b) Can 8 cm, 12 cm and 15 cm make the sides of a right triangle? Verify also. If ABCD is a quadirlateral, is AB + BC + CD + AD < 2(AC + BD)? Show how. MENTAL MATHS PAPER 25. Every integer is also a: (a) Natural number (b) Whole number (c) (a) and (b) both (d) None of these 26. Associative property of division for integers. (a) Holds (b) Does not hold (c) Sometimes hold (d) None of these 27. All supplementary angles are: (b) Complementary angles (a) Adjacent angles Those whose sum is 180° (c) Linear pair of angles
 - 28. The number of elements in a triangle are :
 - (a) Six

(b) Three

(c) Eight

(d) Four

- 29. Pythagoras theorem is applied in :
 - (a) Acute angled Δ

(b) Obtuse angled △

(e) Right angled Δ

(d) Squares

- 30. Every fraction is a:
 - (a) Whole number

(b) Rational Number

(c) Integer

- (d) Natural Number
- 31. Additive inverse of -4/5 is:
 - (a) 5/(-4)

(b) +4/5

(c) 0

(d) 1/4

- 32. $(-1)^{12}$ is equal to :
 - (a) 1

(1-)

(c) 0

(d) None of these

- 33. $(8^2)^3$ is equal to :
 - (a) 8^{2+3}

△(b) 8^{2×3}

(c) 8^{2-3}

- (d) None of these
- 34. If $14 \times 4 = 56$, then the value of 1.4×0.4 is :
 - (a) 0.56

(b) 0.056

(c) 5.6

(d) None of these

No

1.4 xo.4 5 6 0 0 X