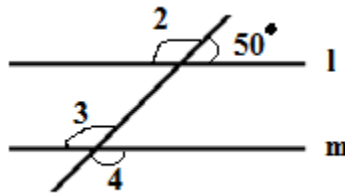
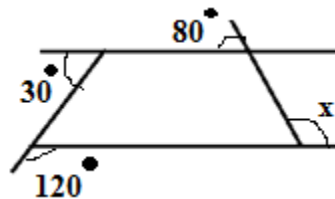


Question Bank (Easy) – Class VIII

- 1) Write the degree of the polynomial $4x^3 - 3x^5 + 2z^4 + 1$.
- 2) Find $\sqrt{1156}$.
- 3) Show that $\sqrt{49 \times 25} = \sqrt{49} \times \sqrt{25}$.
- 4) Find $\sqrt{9}$ by repeated subtraction method.
- 5) Express the following in exponential form : $\sqrt[3]{3^2}$.
- 6) Express the following as radicals $(17)^{2/5}$.
- 7) Evaluate $\sqrt{6^2 + 8^2}$.
- 8) Solve the exponential equation $2^x = 16$.
- 9) Find the simple interest on Rs. 15000 for two years at 8% per annum.
- 10) Find the compound interest on Rs. 15000 for two years at 8% per annum.
- 11) How many quarters and half years are there in one year?
- 12) In how many years will Rs. 8000 amount to Rs. 9261 at 5% per annum compounded annually?
- 13) At what rate per cent will a sum of Rs. 64000 be compounded to Rs. 68921 in three years?
- 14) Find $(2x+5)^2$ using suitable identity.
- 15) Find $(2x+7y)(2x-7y)$ using suitable identity.
- 16) Factorise $x^2 + 11x + 30$.
- 17) Write the polynomial $5x^2 - 4x^3 - x^4 - 1 - x$ in standard form.
- 18) Divide $6x^4 - 8x^3 + 10x^2 + 12x$ by $2x$.
- 19) How many terms are there in $5z^3 - 6z^2 - 7z - 2$.
- 20) Using long division method, check whether the polynomial $(x+2)$ is factor of polynomial $(x^4 - 16)$.
- 21) Solve the equation $(2x-1)/(3x+5) = 5$.
- 22) The sum of three consecutive multiples of 8 is 888. Find these multiples.
- 23) The sum of two positive integers is 120. The integers are in the ratio 2:3. Find the integers.
- 24) In figure I||m. Find angle 2, angle 3, angle 4.



- 25) Draw a line segment $AB = 6\text{cm}$. and divide it internally into five equal parts.
- 26) Find the value of x .



- 27) Find the sum of interior angles of decagon.
- 28) Find the measure of each angle of a regular decagon.
- 29) Two adjacent sides of a parallelogram are 100cm and 70cm. Find its parameter.
- 30) One side of a rhombus is 50cm. Find its perimeter.
- 31) Construct a quadrilateral ABCD in which sides $AB = 3\text{cm}$, $BC = 4\text{cm}$, $CD = 4.5\text{cm}$, $AD = 4\text{cm}$, $AC = 5\text{cm}$.
- 32) Construct a quadrilateral ABCD in which side $AB = 4\text{cm}$, $BC = 5\text{cm}$, $CD = 4.5\text{cm}$, and diagonal $AC = 6.5\text{cm}$, $BC = 7.5\text{cm}$.
- 33) The parallel sides of a trapezium are 15cm and 8cm while its height is 10cm. Find its area.
- 34) The parallel sides of a trapezium are 20cm and 5cm while distance between parallel sides is 15cm. Find its area.
- 35) Find total surface area of cube of side 10cm.
- 36) Find the T.S.A. of cuboid of length 0.5cm, breadth 20cm and 10cm.
- 37) Find the C.S.A. of a right circular cylinder whose height is 15cm and base radius is 5cm.
- 38) Find the T.S.A. of a right circular cylinder whose height is 10cm. and base radius is 15cm.
- 39) Find the volume of cylinder of height 20cm and base radius 7cm.
- 40) Find the volume of cube of side 6cm.
- 41) Verify Euler's formula for a cube.
- 42) Draw a pie chart for the data –

Tree	Mango	Pear	Guava	Papaya
No. of terms in %	50	20	20	10

- 43) Find the probability of getting even number on rolling a die.
- 44) Find the probability of getting a face card on drawing a card from deck of 52 cards.
- 45) A letter is chosen from the word 'MATHEMATICS'. What is the probability of getting a consonant.
- 46) What is the order of rotation and angle of rotation of semi-circle.
- 47) Letter I has rotational symmetry of order what?
- 48) Write the number of lines of symmetry of a regular pentagon.
- 49) A die is thrown at random. Find the probability of getting –
 - i) An even prime number
 - ii) A number less than 3.
 - iii) A composite number
 - iv) A number not less than 4.
- 50) Simplify: $(5^0 + 6^0 + 7^0 + 8^0)^{1/2}$.