



Brain International School

Vikas Puri, New Delhi

ASSIGNMENT NO. 4

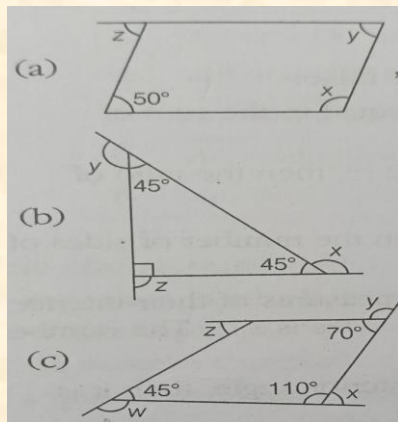
SUBJECT: MATHS

CLASS-VIII

OCTOBER, 2025

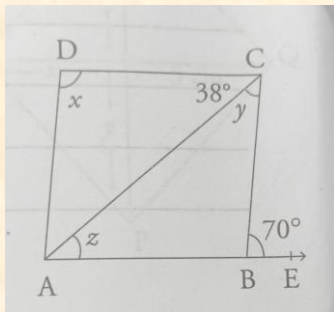
CH - UNDERSTANDING QUADRILATERALS

Q1) Consider the following figures and answer the following:

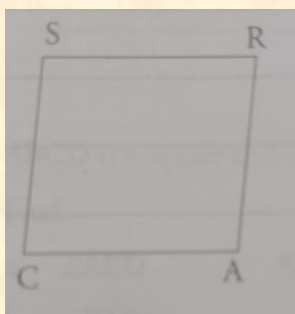


- (a) Find the value of $x+y+z$.
- (b) Find the value of $x+y+z$
- (c) Find the value of $x+y+z+w$

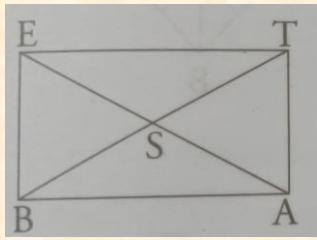
Q2) ABCD is a parallelogram. Find the angles x, y, z .



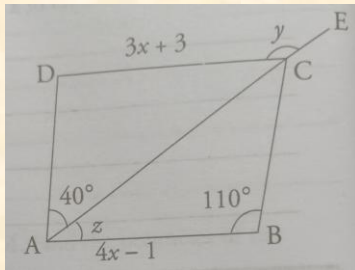
Q3) In a parallelogram CARS, $\angle C = 5x - 20$ and $\angle A = 3x + 20$. Find x



Q4) ATEB is a rectangle, $AE = 40$ cm, $ST = x + 5$. Find x



Q5) ABCD is a parallelogram. Find the value of x , y , z .



CH – COMPARING QUANTITIES

Q1) Fill in the blanks:

- (i) Ratio of 50 m to 5 km is _____
- (ii) Ratio of 50 paise to 15 is _____
- (iii) Ratio 4:5 is _____%
- (iv) 25% of 200 is _____
- (v) 30% of 1200 is _____
- (vi) If 20% of $a = 750$, then 50% of $a =$ _____
- (vii) If 15% of $a = 75$, then 35% of $a =$ _____
- (viii) If $80 = 10\%$, then $200 =$ _____%.

Q2) Solve the following:

- a) The price of a television was ₹ 24000 last year. It has increased by 10% this year. What is the price now?
- b) An item at 950 is sold for 800. What is the discount and discount percentage
- c) Ravi bought a refrigerator for 22000 including a tax of 10%. What is the price of the refrigerator, before VAT was added?
- d) A bookshelf is bought at 4256 including 12% VAT. Find the original price of bookshelf.
- e) Shyam purchases a scooter costing 36450 and the rate of sales tax is 9%, then find the total amount paid by him.
- f) Find the buying price of 5 kg of flour with the rate 20 per kg, when 5% sales tax is added on the purchase.

g) The population of a town is increasing at the rate of 5% per annum. What will be the population of the town on this basis after 2 yr, if the present population is 18000?

h) The value of a residential flat constructed at a cost of 450000 is depreciating at the rate of 10% per annum. What will be its value 2 year after construction?

i) Find CI on a sum of 10000 rupees for 5 years at 10% per annum compounded annually

j) Find the population of a city after 4 years, which is at present 10 lakh, if the rate of increase is 10%.