

Board- CBSE	Std- 6	Topic- Algebra	Solved Questions
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1. Write the following phrases algebraically:

(i) Quotient of p by 9 is added to w .

Ans: (i) $p/9 + w$

(ii) Quotient of xz by t is added to m .

Ans: $xz/t + m$

(iii) 700 taken away from the quotient of $5k$ by $7m$.

Ans: $(5k/7m) - 700$

2. Write each of the following statements using numbers, literals, and symbols:

(i) Quotient of p by 80 subtracted from 100 less than p .

Ans: $(p - 100) - p/80$

(ii) Quotient of u by v added to the product of s and t .

Ans: $(u/v) + st$

(iii) Product of z and 40 divided by the difference of a and c

Ans: $40z/(a - c)$

3. Express the share of each student algebraically if m mangoes were equally distributed among twenty-five students.

Ans: $m/25$ apples

4. Write the following phrases algebraically:

(i) 70 times z

Ans: $70z$

(ii) The product of y and 15 .

Ans: 15y

5. Write each of the following algebraically using signs and symbols:

(i) w times m

Ans: wm

(ii) v times 59

Ans: $59v$

(iii) The product of p and 160

Ans: $160p$

Q6. Represent the following phrases algebraically:

(i) The product of u and v.

Ans: uv

(ii) Multiply s and k.

Ans: sk

(iii) The product of x and 5t

Ans: $5xt$

Q7. Write each of the following statements using numbers, literals, and symbols:

(i) 21 times the sum of q and z.

Ans: $21(q+z)$

(ii) 13 more than thrice a number b.

Ans: $3b+13$

(iii) 25 times p increased by 9

Ans: $25p + 9$

Q 8. Mr. Ken covers w cm in one step. How many cm does he cover in 85 steps?

Ans: $85w$ cm

Q9. Mark can solve 5 math problems in one hour. How many questions he can solve in x hours?

Ans: $5x$

Q10: Jenny spends \$ p daily and saves \$ q per week. What is her income after 6 weeks?

Ans: \$ $(42p + 6q)$

Q11. Write each of the following algebraically using signs and symbols:

i) 117 less than literal z

(ii) Decrease h by u

(iii) Subtract w from 100

Ans: (i) $z - 117$

(ii) $h - u$

(iii) $100 - w$

Q12: Represent the following statements algebraically:

(i) 24 less than z

(ii) Number k less than a number 70

(iii) 450 taken away from w

Ans: (i) $z - 24$

(ii) $70 - k$

(iii) $w - 450$

Q 13: Write each of the following statements using numbers, literals, and symbols:

(i) Subtract v from 650

(ii) q less than a sum of p and 10

(iii) 19 less than a sum of a and b

Ans:

(i) $650 - v$

(ii) $(p + 10) - q$

(iii) $(a + b) - 19$

Q14. Write each of the following algebraically using signs and symbols

(i) The sum of a and b added to c .

(ii) 10 increase by the sum of m and n

(iii) Increase v by 39.

Ans:

(i) $(a + b) + c$

(ii) $10 + (m + n)$

(iii) $v + 39$