



INDIAN SCHOOL AL WADI AL KABIR
Class VII, Mathematics (2026-27)
Worksheet DTQ – ARITHMETIC EXPRESSIONS

SHORT ANSWER TYPE QUESTIONS- 7 QUESTIONS. (2 Marks each)

Q1.	Rohan spends ₹ 30 per day on snacks. Write an expression for the total amount he spends from Monday to Friday.
Q2.	Write the terms and number of terms for the following expressions: a) $-18 \div 6 - 9 + 12$ b) $75 \times 3 + 40 \div 4 - 25$
Q3.	Rahul bought 45 toffees. Aman bought 8 bags with 3 toffees in each bag. Write an expression for the given statement. Also find the value.
Q4.	Manu has to pay ₹943 to a shopkeeper using coins of ₹ 1 and ₹ 5, and notes of ₹ 10, ₹ 20, ₹ 50 and ₹ 100. He paid the money in the following way: $7 \times ₹100 + 4 \times ₹50 + \underline{\hspace{1cm}} \times ₹20 + 1 \times ₹5 + \underline{\hspace{1cm}} \times ₹1$ Fill in the missing numbers.
Q5.	Sam has 40 stickers. Tom has 4 packets with 5 stickers in each packet. Write an expression and find how many stickers do they have altogether?
Q6.	Using the numbers 4, 3 and 7, and the operators '+' and '-', and brackets, as necessary, generate two expressions to give a value 0.
Q7.	Sara travels 8 km daily to school. Write an expression to find the total distance she travels in 5 days.

SHORT ANSWER TYPE- 5 QUESTIONS. (3 Marks each)

Q8.	Arrange the following expressions in ascending (increasing) order of their values. (a) $264 - 219$ (b) $625 - 620$ (c) $135 + 205$ (d) 52×11 (e) $924 \div 3$
Q9.	Insert bracket in one possible way to make each statement true. (Do not change the order of numbers or sign): a) $48 \div 4 - 2 \times 3 = 6$ b) $6 \times 5 + 10 = 90$ c) $-15 + 5 - 10 = -20$
Q10.	Identify and write the properties used in the following: a) $(4 + 3) \times 6 = (4 \times 6) + (4 \times 3)$ b) $-6 + 4 = 4 + (-6)$ c) $8 + (5 + 2) = (8 + 5) + 2$

Q11.	Evaluate the following using suitable break-up(properties): a) 103×25 b) 98×14
Q12.	Which is greater? (show working) a) $1018 + 225$ or $1022 + 223$ b) $313 - 25$ or $312 - 24$
LONG ANSWER TYPE- 3 QUESTIONS. (4 Marks each)	
Q13.	Use '>' or '<' or '=' in each of the following expressions to compare them. Can you do it without complicated calculations? Explain your thinking in each case. (a) $245 + 289$ _____ $246 + 285$ (b) $273 - 145$ _____ $272 - 144$ (c) $364 + 587$ _____ $363 + 589$ (d) $213 - 77$ _____ $214 - 76$
Q14.	The cost of a chair is ₹7500 and the cost of a table is ₹12500. Find the total cost of 12 chairs and 12 tables.
Q15.	The band sold candy for two weeks as fundraiser. They earned ₹40 for each candy bar they sold. The first week they sold 328 candy bars. The second week they sold 432 candy bars. How much did they earn in all?

ANSWERS							
Q1.	₹150	Q2.	a) Terms: -18 ÷ 6, -9, +12 Number of terms: 3 b) Terms: 75 × 3, 40 ÷ 4, -25 Number of terms: 3	Q3.	$45 + (8 \times 3) = 69$	Q4.	$1 \times ₹20$ & $18 \times ₹1$
Q5.	$40 + (4 \times 5) = 60$	Q6.	1) $4 + 3 - 7$ 2) $7 - (4 + 3)$.	Q7.	$8 \times 5 = 40$	Q8.	b, a, e, c, d.
Q9.	a) $(48 \div 4) - (2 \times 3) = 6$ b) $6 \times (5 + 10) = 90$ c) $-15 + (5 - 10) = -20$	Q10.	a) Distributive Property of Multiplication over Addition b) Commutative Property of Addition c) Associative Property of Addition	Q11.	a) 2575 b) 1372	Q12.	a) $1022 + 223$ is greater b) both are equal
Q13	(a) > (b) = (c) < (d) <	Q14.	₹2,40,000.	Q15.	₹30,400 in all.		