

INTERNATIONAL INDIAN SCHOOL BURAIDAH

Worksheet for the Academic Year 2026-27

CLASS: VII

SUBJECT: MATHEMATICS

DATE: 26-05-2026

Lesson 2: Arithmetic Expressions

- Use $<$, $>$ or $=$ in each of the following:
 - $583 - 240$ ----- $672 - 350$
 - $375 + 189$ ----- $446 + 285$
 - $156 + 880$ ----- $247 + 789$
 - $385 - 154$ ----- $345 - 129$
- Fill in the blanks to make the expressions equal on both sides of the " $=$ " sign
 - $25 + \text{-----} = 38 + 2$
 - $59 - \text{-----} = 9 \times 6$
 - $8 \times \text{-----} = 64 \div 2$
 - $60 \div \text{-----} = 15 - 3$
- Write the terms of the following expressions:
 - $8 + 2 + 7$
 - $12 - 5 + 6$
 - $20 - 8 - 5$
 - $4 \times 7 + 2$
 - $(3 \times 6) - (2 \times 4) \div (5 \times 2)$
- Create two expressions that evaluate to the given numbers using at least two operations each.
 - 14
 - 36
 - 45
- Solve the following using distributive property:
 - 103×8
 - 98×4
 - If $62 \times 12 = 744$, then find 72×12
- Find the value of the expressions:
 - $34 - 9 + 10$
 - $22 + 14 - 8$
 - $(5 \times 5) - 4 + (16 \div 2)$

d) $85 - (12 \times 10) + 50$

e) $350 - (125 - 12)$

f) $32 - 4 \times 7 + 15$

7. Identify the missing number to maintain the balance in the following expressions:

a) $6 \times (7 + \text{----}) = 54$

b) $8 + (\text{-----} - 4) = 13$

c) $25 - (4 \times \text{-----}) = 5$

d) $48 \div (3 \times \text{-----}) = 2$

8. Find the value of the expression in two different ways

$$1 - 3 + 5 - 7 + 9 - 11 + 13 - 15 + 17 - 19 + 21$$

9. Aliya earns ₹50,000 per month. She spends ₹ 8000 for rent, ₹10,000 for food, ₹12000 for education, ₹5000 for other expenses. What is the amount she will save by the end of the year?

10. Amit bought 3 notebooks costing ₹45 each and 2 pens costing ₹20 each. He gave ₹200 to the shopkeeper. Write an expression using brackets to calculate the balance Amit will get back. Also find the balance amount

11. A group of students ordered 8 meals of cost ₹90 each and 5 drinks at ₹15 each, and they wish to thank the waiter by tipping ₹20. Write an expression describing the total cost.

12. A train has 8 compartments with 12 seats each and 5 compartments with 15 seats each. Write an expression to find the total number of seats

13. A farmer has 8 fields, each growing 25kg of wheat. He sells 3 fields worth of wheat

a) How many Kg of wheat grown in 8 fields?

b) How many Kg of wheat grown in 3 fields?

c) Write an expression for the remaining wheat and find the value

14. Rewrite the expression $45 - (12 + 8)$ by removing the brackets and explain the changes in the signs of the terms inside

15. A snail climbs 4cm up a pole during the day and slips back 2cm at night. The pole is 12cm high

a) Write an expression to represent the snail's progress after 3 days

b) Also, Find how many days snail will take to reach the top

16. Write a story/situation for each of the following expressions and find the values

a) $56 + 32 - 10$

b) $12 \times 8 - 5$

c) $7 \times 6 + 10 \times 2$

Answers:

1. a) $>$ b) $<$ c) $=$ d) $>$

2. a) 15 b) 5 c) 4 d) 5

3. a) 8, 2, 7 b) 12, -5, 6 c) 20, -8, -5

d) $4 \times 7, 2$ e) $3 \times 6, -2 \times 4, 5 \times 2$

4. a) $(4 \times 2) + 6$ $(20 \div 2) + 4$

b) $(10 \times 3) + 6$ $40 - (2 \times 2)$

c) $50 - 8 + 3$ $(6 \times 7) + 3$

5. a) 824 b) 392 c) 864

6. a) 35 b) 28 c) 29 d) 15 e) 237 f) 19

7. a) 2 b) 9 c) 5 d) 8

8. 11 9. ₹1,80,000

10. $200 - [(3 \times 45) + (2 \times 20)]$ Balance = ₹25

11. $(8 \times 90) + (5 \times 15) + 20$ Total cost = ₹815

12. $(12 \times 8) + (5 \times 15)$ No of seats = 171

13. a) 200Kg b) 75Kg

c) $(8 \times 25) - (3 \times 25)$ Remaining wheat = 125Kg

14. $45 - 12 - 8$, When removing the brackets preceded by a negative sign, the signs of the terms inside change

15. a) 6cm b) 5days

16. Do Self
