

INTERNATIONAL INDIAN SCHOOL BURAIDAH

Worksheet for the Academic Year 2025-26

CLASS: VII

SUBJECT: MATHEMATICS

DATE: 14-09-2025

Lesson 2: Arithmetic Expressions

1. Fill in the blanks to make the expressions equal on both sides of the '=' sign
 - a) $18 + \text{-----} = 25 + 3$
 - b) $40 - \text{-----} = 9 \times 4$
 - c) $9 \times \text{----} = 36 \div 2$
 - d) $50 \div \text{-----} = 15 - 5$
2. Use $<$, $>$ or $=$ in each of the following:
 - a) $173 - 140$ $272 - 145$
 - b) $350 + 189$ $146 + 385$
 - c) $264 + 589$ $364 + 489$
 - d) $285 - 154$ $245 - 129$
3. Write the terms of the following expressions:
 - a) $2 + 10$
 - b) $5 + 7 - 6$
 - c) $(5 \times 2) + 10 - 3$
 - d) $20 - 8 + (10 \div 2)$
 - e) $(3 \times 4) + (10 \times 5) - (12 \div 6) - 5$
4. Create two expressions that evaluate to 16 using at least two operations each.
5. Solve:
 - a) If $83 \times 15 = 1245$, then find 73×15
 - b) 105×25
 - c) 94×9
6. Find the value of the expressions:
 - a) $35 - 9 + 6$
 - b) $50 - 3 \times 7 + 12$
 - c) $75 - 20 + 15 + 5$
 - d) $80 - (20 + 5)$
 - e) $250 - (100 - 30)$
 - f) $200 + (150 - 50)$

g) $(12 \div 4) + (8 \div 4)$

7. Identify the missing number to maintain the balance in the following expressions:
- a) $36 - (8 + \text{-----}) = 28$
 - b) $5 \times (4 + \text{-----}) = 25$
 - c) $(9 + \text{-----}) \times 3 = 30$
 - d) $54 \div (6 + \text{-----}) = 9$
8. Write the expression $100 - 20 - 5$ using brackets to ensure subtraction is performed in the correct order and to evaluate.
9. Priya spent ₹ 30 every day on snacks at school. Write the expressions for the total amount she spends on snacks in a week from Monday to Friday. Evaluate the expression.
10. Vikram gave 80 coins to Arjun and 80 coins to Kiran last year. Arjun invested his coins and tripled their value. Kiran spent half of his coins on a charity. Write an expression for the total number of coins they have now. Identify the terms and evaluate the value.
11. Aman bought a pack of pens for ₹ 20 and a notebook for ₹65. He gave the shopkeeper ₹100. Write an expression using brackets to calculate the balance Aman will get back and find its value
12. Amit earns ₹ 25000 per month. He spends ₹6000 on rent, ₹7000 on food, and ₹3000 on other expenses every month. What is the amount Amit will save by the end of the year?
13. Nousha is swimming 8 meters forward and then drifts 3 meters backward due to a gentle current. Write an expression to show her final position from the starting point.
14. A group orders 5 meals at ₹40 each and 2 drinks at ₹15 each, with an additional ₹10 tip. Write an expression for the total cost, identify its terms and evaluate it. Then, if the group pays ₹300, calculate the balance received.
15. Find the value of the expression
 $2 - 4 + 6 - 8 + 10 - 12 + 14 - 16 + 18 - 20$
16. Riya bought 5 packs of pencils, each containing 12 pencils. She also bought 3 packs of erasers, each containing 4 erasers.
- a) What is the total number of pencils?
 - b) What is the total number of erasers?
 - c) Write an expression for the total number of items she bought and find its value

17. Write a story/ situation for each of the following expressions and find its value.

- a) $5 \times 2 + 8 \times 3$
- b) $25 \times 6 - 10$
- c) $75 + 30 - 5$
- d) $100 \div 4$

Answers:

- 1. a) 10 b) 4 c) 2 d) 5
- 2. a) $<$ b) $>$ c) $=$ d) $>$
- 3. a) 2, 10 b) 5, 7, -6 c) (5×2) , 10, -3 d) 20, -8, $(10 \div 2)$
e) (3×4) , (10×5) , $-(12 \div 6)$, -5
- 4. a) $4 \times 3 + 4 = 16$ b) $20 - (8 \div 2) = 16$
- 5. a) 1095 b) 2625 c) 846
- 6. a) 32 b) 41 c) 75 d) 55 e) 180 f) 300
g) 5
- 7. a) 0 b) 1 c) 1 d) 0
- 8. $100 - (20 + 5)$
- 9. $5 \times ₹30 = ₹150$
- 10. $3 \times 80 + 80 \div 2 = 280$ coins
- 11. $100 - (20 + 65) = 15$
- 12. ₹108000
- 13. $8 - 3 = 5$ meters
- 14. $(5 \times ₹40) + (2 \times ₹15) + ₹10 = ₹240$
Terms: (5×40) , (2×15) , 10 Balance = ₹60
- 15. -10
- 16. a) $5 \times 12 = 60$ b) $3 \times 4 = 12$ c) $(5 \times 12) + (3 \times 4) = 72$
- 17. Do self
