

WORK OUT $(8 - 3) \times 4 + 6$

- 1 Do the brackets first: $8 - 3 = 5$
- 2 The sum is now $5 \times 4 + 6$
- 3 Next multiply: $5 \times 4 = 20$
- 4 Then add: $20 + 6 = 26$

 WARM-UP

Work out each game-score calculation step by step on the lines in BIDMAS order.

1. Set out and solve $6 + 5 \times 2$ on the first line
2. Set out and solve $(9 - 4) \times 3 + 7$ on the second line
3. Set out and solve $30 - 3 \times (2 + 5)$ on the third line

$6 + 5 \times 2 =$ _____

$(9 - 4) \times 3 + 7 =$ _____

$$30 - 3 \times (2 + 5) =$$

 PRACTICE

- 1 In a board game Ava scores 4 points then multiplies a spinner of 3 by 2. What is her total using the correct order?
- 2 Tom collects 7 tokens in a playground game and then gets a 3 times 8 bonus. What is his score in BIDMAS order?
- 3 A team starts with 12 points in a quiz game but loses 3 multiplied by 2. What score remains after the correct order?
- 4 In a card game the bracket score is 8 minus 2, then that is multiplied by 5 and 7 is added. What is the final total?
- 5 At sports day a relay team scores 8 plus 4 times 3, then subtracts 12 divided by 6. What is their final points total?

ALWAYS, SOMETIMES, NEVER

Always, sometimes or never true? Write A, S or N.

- a. Brackets are worked out before any other operation ☐
- b. Multiplication is done before addition when there are no brackets ☐
- c. Working a sum strictly left to right gives the right answer. ☐
- d. Addition is completed before multiplication ☐