Testifi

2025 TESTIFI EXAMINATION

BODMAS Operations

Solutions and Marking Guidelines

© 2025 Testifi PTY LTD. All rights reserved.

Section I

2 marks
Questions 1–2

Question 1 (1 mark) **1**

A

Following order of operations: First, $(15 - 7) = 8$. Then $3 \times 8 = 24$. Next, $24 \div (-6) = -4$. Finally, $(-8) + (-4) - 4 = -8 - 4 - 4 = -16$.

Question 2 (1 mark) **1**

C

Following order of operations: First, $-5 \times 3 = -15$. Then, $12 \div (-4) = -3$. Finally, $-15 + (-3) = -15 - 3 = -18$.

© 2025 Testifi PTY LTD. All rights reserved.

Section II

10 marks

Questions 3–7

Question 3 (1 marks) **1**

Using order of operations, multiply first: $3 \times 4 = 12$. Then add: $-5 + 12 = 7$.

Question 4 (2 marks) **2**

Using order of operations, divide first: $18 \div 3 = 6$. Then subtract: $6 - 7 = -1$.

Question 5 (2 marks) **2**

Using order of operations, multiply first: $4 \times (-2) = -8$. Then add: $-8 + (-8) = -16$.

Question 6 (2 marks) **2**

Using order of operations, divide first: $20 \div 4 = 5$. Then subtract: $15 - 5 = 10$.

Question 7 (3 marks) **3**

Using order of operations, multiply first: $6 \times 2 = 12$. The expression becomes $-12 + 12 - 8$. Working left to right: $-12 + 12 = 0$, then $0 - 8 = -8$.

© 2025 Testifi PTY LTD. All rights reserved.