JRA Tutors
Private tuition and small online Study Pods

BIDMAS

Grade 1 topic · Foundation and Higher · Edexcel and AQA

How to use this pack
20 questions that get harder as you go. Foundation students: aim for Questions 1–15 (30 marks) and have a go at the rest. Higher students: complete all 20. Show your working on the lines and write your final answer on the answer line, then mark yourself with the answers at the back. Diagrams are not drawn accurately. Total: 50 marks.

Warm-up

1 Work out $8 + 5 \times 3$. **[1 mark]**

Answer _____

2 Work out $5 \times 9 - 6$. **[1 mark]**

Answer _____

3 Work out $(9 + 2) \times 6$. **[1 mark]**

Answer _____

4 Work out $33 - 6 \times 5$. **[1 mark]**

Answer _____

5 Work out 6 ÷ 3 + 4. **[1 mark]**

Answer _____

Core

6 Work out (3 + 9) × 5. **[2 marks]**

Answer _____

7 Work out $9 + 5^2$. **[2 marks]**

Answer _____

8 Work out 42 ÷ 6 + 8 × 2. **[2 marks]**

Answer _____

9 Work out $(9 + 8)^2$. **[2 marks]**

Answer _____

10 Work out $3^2 - 3 \times 9$. **[2 marks]**

Answer _____

Stretch

11 Work out $8 \times (3 + 3) - 54 \div 6$. **[3 marks]**

Answer _____

12 Work out $(2 + 4)^2 - 5 \times 8$. **[3 marks]**

Answer _____

13 Work out $8^2 - (9 - 5)^2$. **[3 marks]**

Answer _____

14 Work out $(63 + 49) \div 7 + 7^2$. **[3 marks]**

Answer _____

15 Work out $8 + 3 \times (3 + 3)^2$. **[3 marks]**

Answer _____

Challenge

16 Work out $(10 + 12 \times 10) \div 10$. **[4 marks]**

Answer _____

17 Work out $10 \times (6 + 11) \div 2 - 4^2$. **[4 marks]**

Answer _____

18 Work out $(2 - 2 \times 6)^2 \div 2$. **[4 marks]**

Answer _____

19 Work out $3 \times 2 - (15) \div 5$. **[4 marks]**

Answer _____

20 Work out $(8 + 5) \times (5 - 11) + 5^3$. **[4 marks]**

Answer _____