JRA Tutors
Private tuition and small online Study Pods

Using a Calculator

Grade 2 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 4.2 × 8.1. **[1 mark]**

Answer _____

2 Work out 17.5 ÷ 7.6. Give your answer to 2 decimal places. **[1 mark]**

Answer _____

3 Work out √39. Give your answer to 1 decimal place. **[1 mark]**

Answer _____

4 Work out 1.3^2. **[1 mark]**

Answer _____

5 Work out 5.6^3. Give your answer to 2 decimal places. **[1 mark]**

Answer _____

Core

6 Work out (9.6 + 7.2) ÷ (8.0 − 8.6). Give your answer to 3 significant figures. **[2 marks]**

Answer _____

7 Work out $8.5^2 + 4.1^2$. Give your answer to 1 decimal place. **[2 marks]**

Answer _____

8 Work out 1/9.3 + 1/4.1. Give your answer to 3 significant figures. **[2 marks]**

Answer _____

9 Work out $5.7 \times 4.5 - 8.0^2$. Give your answer to 2 decimal places. **[2 marks]**

Answer _____

10 Work out $\sqrt{(23.04 + 9.6)}$. Give your answer to 2 decimal places. **[2 marks]**

Answer _____

Stretch

11 Work out $\sqrt{(9.6^2 + 7.4^2)}$. Give your answer to 3 significant figures. **[3 marks]**

Answer _____

12 Work out $4.3 \div (2.6 + 7.0)$. Give your answer to 3 significant figures. **[3 marks]**

Answer _____

13 Work out $(3.9 + 5.5)^2 \div 3.7$. Give your answer to 3 significant figures. **[3 marks]**

Answer _____

14 Work out 200×1.05^5. Give your answer to 2 decimal places. **[3 marks]**

Answer _____

15 Work out $9.6^3 - 5.4^2$. Give your answer to 3 significant figures. **[3 marks]**

Answer _____

Challenge

16 Work out $(5.5 \times 9.1) \div (6.1 + 1/5.5)$. Give your answer to 3 significant figures. **[4 marks]**

Answer _____

17 Work out $(\sqrt{16} + 7.9) \div 8.9$. Give your answer to 3 significant figures. **[4 marks]**

Answer _____

18 Work out $1.4/(2.3^2 - 1.9)$. Give your answer to 3 significant figures. **[4 marks]**

Answer _____

19 Work out 1500×0.97^4. Give your answer to the nearest whole number. **[4 marks]**

Answer _____

20 Work out $(4.3 + 7.8) \div (7.0 \times 4.3)$. Give your answer to 3 significant figures. **[4 marks]**

Answer _____