



## Foundation Tier

# Rounding

### Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided – *there may be more space than you need.*
- You must **show all your working.**
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
- If your calculator does not have a  $\pi$  button, take the value of  $\pi$  to be 3.142 unless the question instructs otherwise.

### Information

- The marks for **each** question are shown in brackets- *use this as a guide as to how much time to spend on each question.*

### Advice

- Read each question carefully before you start to answer it.
  - Keep an eye on the time.
  - Try to answer every question.
  - Check your answers if you have time at the end.
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1. Round the following numbers to 1 decimal place

(a) 4.76

4.8

(1)

(b) 12.34

12.3

(1)

(c) 0.875

0.9

(1)

(d) 105.95

106.0

(1)

(e) 0.067

0.1

(1)

(f) 32.999

33.0

(1)

(Total for Question 1 is 6 marks)

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2. Round the following numbers to 2 decimal places

(a) 3.456

3.46

(1)

(b) 18.999

19.00

(1)

(c) 0.374

0.37

(1)

(d) 52.005

52.01

(1)

(e) 0.00876

0.01

(1)

(f) 172.195

172.20

(1)

(Total for Question 2 is 6 marks)

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3. Round the following numbers to 3 decimal places

(a) 7.1236

7.124

(1)

(b) 0.45678

0.457

(1)

(c) 28.9994

28.999

(1)

(d) 0.00965

0.010

(1)

(e) 104.00059

104.001

(1)

(f) 86.0999

86.100

(1)

(Total for Question 3 is 6 marks)

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4. Round the following numbers to the nearest 10

(a) 347

350

(1)

(b) 1285

1290

(1)

(c) 9996

10,000

(1)

(d) 54.8

50

(1)

(e) 8.64

10

(1)

(f) 348213

348210

(1)

(Total for Question 4 is 6 marks)

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5. Round the following numbers to the nearest 100

(a) 5421

5400

(1)

(b) 28650

28700

(1)

(c) 999569

999600

(1)

(d) 736.4

700

(1)

(e) 89.9

100

(1)

(f) 2000999

2001000

(1)

(Total for Question 5 is 6 marks)

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6. Round the following numbers to the nearest 1000

(a) 6829

7000

(1)

(b) 4950

5000

(1)

(c) 12349

12000

(1)

(d) 999.6

1000

(1)

(e) 19999

20,000

(1)

(f) 9678

10,000

(1)

(Total for Question 6 is 6 marks)

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7. Round the following numbers to the nearest 5

(a) 37

40

(1)

(b) 82

80

(1)

(c) 124

125

(1)

(d) 15.8

15

(1)

(e) 0.7

0

(1)

(f) 999

1000

(1)

(Total for Question 7 is 6 marks)

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8. Round the following numbers to 1 significant figure

(a) 47

50

(1)

(b) 382

400

(1)

(c) 0.064

0.06

(1)

(d) 5926

6000

(1)

(e) 0.00981

0.010

(1)

(f) 0.0105

0.01

(1)

(Total for Question 8 is 6 marks)

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9. Round the following numbers to 2 significant figures

(a) 3.746

3.7

(1)

(b) 628

630

(1)

(c) 0.0478

0.048

(1)

(d) 91250

91000

(1)

(e) 0.006043

0.0060

(1)

(f) 0.7081

0.71

(1)

(Total for Question 9 is 6 marks)

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10. Round the following numbers to 3 significant figures

(a) 18.764

18.8

(1)

(b) 0.003456

0.00346

(1)

(c) 507821

508000

(1)

(d) 82.995

83.0

(1)

(e) 0.09996

0.100

(1)

(f) 0.000008271

0.00000827

(1)

(Total for Question 10 is 6 marks)

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