

GCSE MATHS • GRADE 1

MATHS



MODEL ANSWERS

ROUNDING

SCORE

/185

PERCENTAGE

%

STEM UP

- 1 Round 897 to the nearest whole number.

Look at the first decimal digit

897

/ 1

- 2 Round 4,265 to the nearest 10.

Look at the digit to the right of the tens column

4,270

/ 1

- 3 Round 863.1 to the nearest whole number.

Look at the first decimal digit

863

/ 1

4 Round 668.9 to the nearest whole number.

Look at the first decimal digit

669

/ 1

5 Round 126.1 to the nearest whole number.

Look at the first decimal digit

126

/ 1

6 Round 505 to the nearest whole number.

Look at the first decimal digit

505

/ 1

7 Round 914.5 to the nearest whole number.

Look at the first decimal digit

915

/ 1

8 Round 78,482 to the nearest 10.

Look at the digit to the right of the tens column

78,480

/ 1

9 Round 26.6 to the nearest whole number.

Look at the first decimal digit

27

/ 1

10 Round 120.08 to the nearest whole number.

Look at the first decimal digit

120

/ 1

11 Round 29,200 to the nearest 10.

Look at the digit to the right of the tens column

29,200

/ 1

12 Round 618.86 to the nearest whole number.

Look at the first decimal digit

619

/ 1

13 Round 773.7 to the nearest whole number.

Look at the first decimal digit

774

/ 1

14 Round 58,341 to the nearest 10.

Look at the digit to the right of the tens column

58,340

/ 1

15 Round 877.17 to the nearest whole number.

Look at the first decimal digit

877

/ 1

16 Round 998.799 to the nearest whole number.

Look at the first decimal digit

999

/ 1

17 Round 58,534 to the nearest 10.

Look at the digit to the right of the tens column

58,530

/ 1

18 Round 855.136 to the nearest whole number.

Look at the first decimal digit

855

/ 1

19 Round 272.726 to the nearest whole number.

Look at the first decimal digit

273

/ 1

20 Round 27,815 to the nearest 10.

Look at the digit to the right of the tens column

27,820

/ 1

21 Round 72.48 to 1 decimal place.

Look at the digit after the first decimal place

72.5

/ 1

22 Round 940.647 to the nearest whole number.

Look at the first decimal digit

941

/ 1

23 Round 3,316 to the nearest 100.

Look at the digit to the right of the hundreds column

3,300

/ 1

24 Round 30.3 to 1 decimal place.

Look at the digit after the first decimal place

30.3

/ 1

25 Round 396.066 to the nearest whole number.

Look at the first decimal digit

396
.....

1

 / 1

26 Round 96,573 to the nearest 100.

Look at the digit to the right of the hundreds column

96,600
.....

1

 / 1

27 Round 62.81 to 1 decimal place.

Look at the digit after the first decimal place

62.8
.....

1

 / 1

28 Round 71.98 to the nearest whole number.

Look at the first decimal digit

72

/ 1

29 Round 64,817 to the nearest 100.

Look at the digit to the right of the hundreds column

64,800

/ 1

30 Round 15.796 to 1 decimal place.

Look at the digit after the first decimal place

15.8

/ 1

31 Round 37,135 to the nearest 100.

Look at the digit to the right of the hundreds column

37,100

/ 1

32 Round 30,865 to the nearest 100.

Look at the digit to the right of the hundreds column

30,900

/ 1

33 Round 36.476 to 1 decimal place.

Look at the digit after the first decimal place

36.5

/ 1

34 Round 85,602 to the nearest 100.

Look at the digit to the right of the hundreds column

85,600

/ 1

35 Round 10,207 to the nearest 100.

Look at the digit to the right of the hundreds column

10,200

/ 1

36 Round 87.717 to 1 decimal place.

Look at the digit after the first decimal place

87.7

/ 1

37 Round 99,355 to the nearest 100.

Look at the digit to the right of the hundreds column

99,400

/ 1

38 Round 8.702 to 1 decimal place.

Look at the digit after the first decimal place

8.7

/ 1

39 Round 34.423 to 1 decimal place.

Look at the digit after the first decimal place

34.4

/ 1

40 Round 3,883 to the nearest 1000.

Look at the digit to the right of the thousands column

4,000

/ 1

41 Round 45.223 to 1 decimal place.

Look at the digit after the first decimal place

45.2

/ 2

42 Round 7,046 to the nearest 1000.

Look at the digit to the right of the thousands column

7,000

/ 2

43 Round 3.8025 to 1 decimal place.

Look at the digit after the first decimal place

3.8

2 / 2

44 Round 2.42 to 2 decimal places.

Look at the digit after the second decimal place

2.42

2 / 2

45 Round 96,002 to the nearest 1000.

Look at the digit to the right of the thousands column

96,000

2 / 2

46 Round 884.92 to 1 significant figure.

Count 1 significant figure from the first non-zero digit

900

2 / 2

47 Round 40.705 to 2 decimal places.

Look at the digit after the second decimal place

40.71

2 / 2

48 Round 52,436 to the nearest 1000.

Look at the digit to the right of the thousands column

52,000

2 / 2

49 Round 349,550 to 1 significant figure.

Count 1 significant figure from the first non-zero digit

300,000

2 / 2

50 Round 32.857 to 2 decimal places.

Look at the digit after the second decimal place

32.86

2 / 2

51 Round 23,811 to the nearest 1000.

Look at the digit to the right of the thousands column

24,000

2 / 2

52 Round 21,302 to 1 significant figure.

Count 1 significant figure from the first non-zero digit

20,000

2 / 2

53 Round 22.662 to 2 decimal places.

Look at the digit after the second decimal place

22.66

2 / 2

54 Round 26,735 to the nearest 1000.

Look at the digit to the right of the thousands column

27,000

2 / 2

55 Round 546,830 to 1 significant figure.

Count 1 significant figure from the first non-zero digit

500,000

2 / 2

56 Round 63.876 to 2 decimal places.

Look at the digit after the second decimal place

63.88

2 / 2

57 Round 25,622 to the nearest 1000.

Look at the digit to the right of the thousands column

26,000

2 / 2

58 Round 895,462 to 1 significant figure.

Count 1 significant figure from the first non-zero digit

900,000

2 / 2

59 Round 55.8603 to 2 decimal places.

Look at the digit after the second decimal place

55.86

2 / 2

60 Round 35,875 to the nearest 1000.

Look at the digit to the right of the thousands column

36,000

2 / 2

61 Round 121,925 to 1 significant figure.

Count 1 significant figure from the first non-zero digit

100,000

2 / 2

62 Round 96.19351 to 2 decimal places.

Look at the digit after the second decimal place

96.19

2 / 2

63 Round 859,675 to 1 significant figure.

Count 1 significant figure from the first non-zero digit

900,000

2 / 2

64 Round 361.69 to 1 significant figure.

Count 1 significant figure from the first non-zero digit

400

2 / 2

65 Round 787,453 to 1 significant figure.

Count 1 significant figure from the first non-zero digit

800,000

2 / 2

66 Round 350.68 to 2 significant figures.

Count 2 significant figures from the first non-zero digit

350

2 / 2

67 Round 564.48 to 2 significant figures.

Count 2 significant figures from the first non-zero digit

560

2 / 2

68 Round 636,488 to 2 significant figures.

Count 2 significant figures from the first non-zero digit

640,000

2 / 2

69 Round 318.81 to 2 significant figures.

Count 2 significant figures from the first non-zero digit

320

2 / 2

- 70 Estimate the value of 4×8.1
Round each number to 1 significant figure.

$$4 \times 8 = 32$$

32

2 / 2

- 71 Round 859,120 to 2 significant figures.

Count 2 significant figures from the first non-zero digit

860,000

2 / 2

- 72 Round 929.5 to 2 significant figures.

Count 2 significant figures from the first non-zero digit

930

2 / 2

- 73 Estimate the value of 98×3.7
Round each number to 1 significant figure.

$$100 \times 4 = 400$$

400

2 / 2

- 74 Round 0.3434 to 1 significant figure.
Count 1 significant figure from the first non-zero digit

0.3

2 / 2

- 75 Round 0.5848 to 1 significant figure.
Count 1 significant figure from the first non-zero digit

0.6

2 / 2

- 76 Estimate the value of 38×29
Round each number to 1 significant figure.

$$40 \times 30 = 1,200$$

1,200

3 / 3

- 77 Round 482,713 to 3 significant figures.

Count 3 significant figures from the first non-zero digit

483,000

3 / 3

- 78 Round 0.03025 to 1 significant figure.

Count 1 significant figure from the first non-zero digit

0.03

3 / 3

- 79 Estimate the value of 5.9×3.7
Round each number to 1 significant figure.

$$6 \times 4 = 24$$

24

3 / 3

- 80 Round 0.4805 to 1 significant figure.
Count 1 significant figure from the first non-zero digit

0.5

3 / 3

- 81 Round 0.048 to 1 significant figure.
Count 1 significant figure from the first non-zero digit

0.05

3 / 3

- 82 Estimate the value of 7×7.2
Round each number to 1 significant figure.

$$7 \times 7 = 49$$

49

3 / 3

- 83 Round 820,123 to 3 significant figures.

Count 3 significant figures from the first non-zero digit

820,000

3 / 3

- 84 Round 0.01266 to 1 significant figure.

Count 1 significant figure from the first non-zero digit

0.01

3 / 3

- 85 Estimate the value of 69×8.2
Round each number to 1 significant figure.

$$70 \times 8 = 560$$

560

3 / 3

- 86 Round 0.2863 to 2 significant figures.
Count 2 significant figures from the first non-zero digit

0.29

3 / 3

- 87 Estimate the value of 8.7×9.5
Round each number to 1 significant figure.

$$9 \times 10 = 90$$

90

3 / 3

- 88 Estimate the value of 53×65
Round each number to 1 significant figure.

$$50 \times 70 = 3,500$$

3,500

3

/ 3

- 89 Round 0.6967 to 2 significant figures.

Count 2 significant figures from the first non-zero digit

0.7

3

/ 3

- 90 Estimate the value of 26×23
Round each number to 1 significant figure.

$$30 \times 20 = 600$$

600

3

/ 3

- 91 Estimate the value of 3.2×50
Round each number to 1 significant figure.

$$3 \times 50 = 150$$

150

3 / 3

- 92 Round 0.8679 to 3 significant figures.
Count 3 significant figures from the first non-zero digit

0.868

3 / 3

- 93 Estimate the value of 81×6.3
Round each number to 1 significant figure.

$$80 \times 6 = 480$$

480

3 / 3

- 94 Estimate the value of 56×7.1
Round each number to 1 significant figure.

$$60 \times 7 = 420$$

420

3 / 3

- 95 Round 0.6479 to 3 significant figures.
Count 3 significant figures from the first non-zero digit

0.648

3 / 3

- 96 Estimate the value of 6.8×63
Round each number to 1 significant figure.

$$7 \times 60 = 420$$

420

3 / 3

- 97 Estimate the value of 6.4×56
Round each number to 1 significant figure.

$$6 \times 60 = 360$$

360

3 / 3

- 98 Estimate the value of $623 \div 38$
Round each number to 1 significant figure.

$$600 \div 40 = 15$$

15

3 / 3

- 99 Estimate the value of $151 \div 20$
Round each number to 1 significant figure.

$$200 \div 20 = 10$$

10

3 / 3

- 100** Estimate the value of $349 \div 21$
Round each number to 1 significant figure.

$$300 \div 20 = 15$$

15

3 / 3