2.76 Decimal Place Value and Powers of Ten: 1-hour Pack

Total Marks

GL ASSESSMENT GL-11PLUS-MATHS · Calculators not allowed · about 60 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 What is 5.836 multiplied by 10?

- ☐ A) 58.36
- ☐ B) 59.36
- ☐ C) 583.6
- ☐ D) 0.5836
- ☐ E) 5.836

---

2 What is 84.8 divided by 1,000?

- ☐ A) 0.00848
- ☐ B) 84.8
- ☐ C) 0.0848
- ☐ D) 84,800
- ☐ E) 1.0848

---

3 What is 503.6 divided by 100?

- ☐ A) 50.36
- ☐ B) 50,360
- ☐ C) 6.036
- ☐ D) 5.036
- ☐ E) 0.5036

---

4 What is 5.61 multiplied by 1,000?

- ☐ A) 5,610
- ☐ B) 561,000
- ☐ C) 5,609
- ☐ D) 0.00561
- ☐ E) 56,100

© Revision Library | revisionlibrary.co.uk

5 What is 8.826 divided by 10?

- [ ] A) 88.26
- [ ] B) 0.8826
- [ ] C) 1.8826
- [ ] D) 8.826
- [ ] E) 0.08826

---

6 What is 4.096 divided by 10?

- [ ] A) 40.96
- [ ] B) 1.4096
- [ ] C) 0.4096
- [ ] D) 4.096
- [ ] E) 0.04096

---

7 What is 7.865 multiplied by 100?

- [ ] A) 0.07865
- [ ] B) 7,865
- [ ] C) 786.5
- [ ] D) 786,500
- [ ] E) 78.65

---

8 What is 21.54 divided by 1,000?

- [ ] A) 0.002154
- [ ] B) 1.02154
- [ ] C) 21,540
- [ ] D) 0.02154
- [ ] E) 21.54

---

9 What is 956.5 multiplied by 100?

- [ ] A) 9.565
- [ ] B) 95,650
- [ ] C) 9,565
- [ ] D) 95,651
- [ ] E) 956,500

© Revision Library | revisionlibrary.co.uk

10 What is 94.3 multiplied by 100?

- [ ] A) 0.943
- [ ] B) 943
- [ ] C) 94,300
- [ ] D) 9,429
- [ ] E) 9,430

---

11 What is 2.227 divided by 10?

- [ ] A) 22.27
- [ ] B) 1.2227
- [ ] C) 0.02227
- [ ] D) 2.227
- [ ] E) 0.2227

---

12 What is 57.7 multiplied by 100?

- [ ] A) 0.577
- [ ] B) 5,770
- [ ] C) 57,700
- [ ] D) 5,769
- [ ] E) 5,771

---

13 What is 416.1 divided by 10?

- [ ] A) 41.61
- [ ] B) 416.1
- [ ] C) 40.61
- [ ] D) 4.161
- [ ] E) 4,161

---

14 What is 5.547 multiplied by 10?

- [ ] A) 54.47
- [ ] B) 5.547
- [ ] C) 55.47
- [ ] D) 554.7
- [ ] E) 0.5547

© Revision Library | revisionlibrary.co.uk

15 What is 30.33 multiplied by 1,000?

- [ ] A) 30,331
- [ ] B) 303,300
- [ ] C) 3,033,000
- [ ] D) 30,330
- [ ] E) 0.03033

---

16 What is 935.2 divided by 10?

- [ ] A) 9,352
- [ ] B) 935.2
- [ ] C) 93.52
- [ ] D) 9.352
- [ ] E) 92.52

---

17 What is 2,157 multiplied by 100?

- [ ] A) 215,701
- [ ] B) 215,700
- [ ] C) 2,157,000
- [ ] D) 21.57
- [ ] E) 215,699

---

18 What is 6.702 divided by 1,000?

- [ ] A) 0.006702
- [ ] B) 0.0006702
- [ ] C) 1.006702
- [ ] D) 6,702
- [ ] E) 6.702

---

19 What is 1,356 divided by 100?

- [ ] A) 14.56
- [ ] B) 135,600
- [ ] C) 12.56
- [ ] D) 13.56
- [ ] E) 1.356

© Revision Library | revisionlibrary.co.uk

20 What is 82.6 divided by 100?

- [ ] A) 0.0826
- [ ] B) 8.26
- [ ] C) 0.826
- [ ] D) 1.826
- [ ] E) 8,260

---

21 What is 1,324 multiplied by 10?

- [ ] A) 13,240
- [ ] B) 13,239
- [ ] C) 132,400
- [ ] D) 13,241
- [ ] E) 132.4

---

22 What is 12.41 multiplied by 1,000?

- [ ] A) 0.01241
- [ ] B) 12,410
- [ ] C) 12,411
- [ ] D) 124,100
- [ ] E) 12,409

---

23 What is 4,927 multiplied by 10?

- [ ] A) 492.7
- [ ] B) 49,269
- [ ] C) 49,271
- [ ] D) 49,270
- [ ] E) 492,700

---

24 What is 6.033 divided by 1,000?

- [ ] A) 0.006033
- [ ] B) 6,033
- [ ] C) 6.033
- [ ] D) 0.0006033
- [ ] E) 1.006033

© Revision Library | revisionlibrary.co.uk

25 A car uses 0.375 litres of oil for one service.

(a) How many litres does it use for 10 services? **(1)**

.....

(b) How many litres does it use for 1,000 services? **(2)**

.....

---

26 What is 1,730 divided by 1,000?

- ☐ A) 1,730
- ☐ B) 1,730,000
- ☐ C) 17.3
- ☐ D) 0.173
- ☐ E) 1.73

---

27 What is 215.1 multiplied by 100?

- ☐ A) 21,509
- ☐ B) 21,510
- ☐ C) 215,100
- ☐ D) 2.151
- ☐ E) 2,151

---

28 What is 7.089 divided by 100?

- ☐ A) 7.089
- ☐ B) 1.07089
- ☐ C) 708.9
- ☐ D) 0.07089
- ☐ E) 0.007089

© Revision Library | revisionlibrary.co.uk

29 A chocolate bar costs £0.85. How much would 1,000 chocolate bars cost? Give your answer in pounds.

(2)

---

30 What is 1.39 divided by 1,000?

- ☐ A) 1.00139
- ☐ B) 1,390
- ☐ C) 0.0139
- ☐ D) 0.000139
- ☐ E) 0.00139

---

31 What is 5.512 divided by 100?

- ☐ A) 0.5512
- ☐ B) 0.005512
- ☐ C) 551.2
- ☐ D) 1.05512
- ☐ E) 0.05512

---

32 What is 158 divided by 100?

- ☐ A) 0.158
- ☐ B) 15,800
- ☐ C) 2.58
- ☐ D) 1.58
- ☐ E) 158

---

33 What is 1.12 multiplied by 10?

- ☐ A) 10.2
- ☐ B) 112
- ☐ C) 0.112
- ☐ D) 1.12
- ☐ E) 11.2

© Revision Library | revisionlibrary.co.uk

34 What is 498.4 multiplied by 1,000?

- [ ] A) 4,984,000
- [ ] B) 0.4984
- [ ] C) 498,401
- [ ] D) 49,840
- [ ] E) 498,400

---

35 What is 81.86 multiplied by 100?

- [ ] A) 8,186
- [ ] B) 8,187
- [ ] C) 81,860
- [ ] D) 0.8186
- [ ] E) 818.6

---

36 What is 510.8 divided by 100?

- [ ] A) 51.08
- [ ] B) 5.108
- [ ] C) 0.5108
- [ ] D) 6.108
- [ ] E) 51,080

---

37 What is 90.94 multiplied by 10?

- [ ] A) 910.4
- [ ] B) 90.94
- [ ] C) 9.094
- [ ] D) 909.4
- [ ] E) 9,094

---

38 What is 921.3 multiplied by 1,000?

- [ ] A) 9,213,000
- [ ] B) 0.9213
- [ ] C) 921,301
- [ ] D) 921,299
- [ ] E) 921,300

© Revision Library | revisionlibrary.co.uk

39 What is 21.83 divided by 10?

- [ ] A) 1.183
- [ ] B) 218.3
- [ ] C) 3.183
- [ ] D) 2.183
- [ ] E) 0.2183

---

40 What is 9.302 multiplied by 1,000?

- [ ] A) 9,302
- [ ] B) 93,020
- [ ] C) 0.009302
- [ ] D) 930.2
- [ ] E) 9,301

---

41 What is 6.863 divided by 100?

- [ ] A) 0.06863
- [ ] B) 0.6863
- [ ] C) 686.3
- [ ] D) 0.006863
- [ ] E) 6.863

---

42 What is 553 multiplied by 100?

- [ ] A) 55,301
- [ ] B) 5.53
- [ ] C) 553,000
- [ ] D) 55,300
- [ ] E) 55,299

---

43 What is 58.52 divided by 10?

- [ ] A) 4.852
- [ ] B) 5.852
- [ ] C) 6.852
- [ ] D) 585.2
- [ ] E) 0.5852

© Revision Library | revisionlibrary.co.uk

44 What is 6.19 divided by 100?

- [ ] A) 1.0619
- [ ] B) 0.00619
- [ ] C) 619
- [ ] D) 0.619
- [ ] E) 0.0619

---

45 What is 2,428 divided by 10?

- [ ] A) 241.8
- [ ] B) 24,280
- [ ] C) 24.28
- [ ] D) 242.8
- [ ] E) 2,428

---

46 What is 65.6 multiplied by 10?

- [ ] A) 6.56
- [ ] B) 65.6
- [ ] C) 656
- [ ] D) 657
- [ ] E) 6,560

---

47 What is 93.86 multiplied by 10?

- [ ] A) 938.6
- [ ] B) 93,860
- [ ] C) 9.386
- [ ] D) 93.86
- [ ] E) 9,386

---

48 What is 79.29 divided by 100?

- [ ] A) 79.29
- [ ] B) 0.7929
- [ ] C) 7,929
- [ ] D) 1.7929
- [ ] E) 0.07929

© Revision Library | revisionlibrary.co.uk

49 What is 2,971 divided by 100?

- [ ] A) 2,971
- [ ] B) 28.71
- [ ] C) 297,100
- [ ] D) 2.971
- [ ] E) 29.71

---

50 What is 79.03 divided by 10?

- [ ] A) 790.3
- [ ] B) 6.903
- [ ] C) 0.7903
- [ ] D) 79.03
- [ ] E) 7.903

---

51 What is 33.9 divided by 100?

- [ ] A) 0.0339
- [ ] B) 1.339
- [ ] C) 0.339
- [ ] D) 3,390
- [ ] E) 3.39

---

52 What is 31.75 divided by 10?

- [ ] A) 0.3175
- [ ] B) 3.175
- [ ] C) 2.175
- [ ] D) 4.175
- [ ] E) 317.5

---

53 What is 93.55 divided by 10?

- [ ] A) 10.355
- [ ] B) 93.55
- [ ] C) 935.5
- [ ] D) 9.355
- [ ] E) 0.9355

© Revision Library | revisionlibrary.co.uk

54 What is 5.573 divided by 10?

- [ ] A) 0.5573
- [ ] B) 1.5573
- [ ] C) 0.05573
- [ ] D) 5.573
- [ ] E) 55.73

---

55 What is 788.9 multiplied by 100?

- [ ] A) 7.889
- [ ] B) 78,890
- [ ] C) 78,889
- [ ] D) 788,900
- [ ] E) 7,889

---

56 What is 2.936 multiplied by 10?

- [ ] A) 293.6
- [ ] B) 2.936
- [ ] C) 29.36
- [ ] D) 28.36
- [ ] E) 0.2936

---

57 What is 418.5 multiplied by 1,000?

- [ ] A) 418,499
- [ ] B) 41,850
- [ ] C) 0.4185
- [ ] D) 4,185,000
- [ ] E) 418,500

---

58 What is 9,565 divided by 10?

- [ ] A) 957.5
- [ ] B) 95,650
- [ ] C) 95.65
- [ ] D) 956.5
- [ ] E) 9,565

© Revision Library | revisionlibrary.co.uk

59 What is 528.7 multiplied by 1,000?

- [ ] A) 52,870
- [ ] B) 528,701
- [ ] C) 0.5287
- [ ] D) 528,700
- [ ] E) 5,287,000

---

60 What is 220.8 multiplied by 100?

- [ ] A) 22,079
- [ ] B) 22,080
- [ ] C) 22,081
- [ ] D) 220,800
- [ ] E) 2.208

---

61 What is 5,800 multiplied by 1,000?

- [ ] A) 5,800,000
- [ ] B) 58,000,000
- [ ] C) 5,799,999
- [ ] D) 580,000
- [ ] E) 5.8

© Revision Library | revisionlibrary.co.uk

Mark scheme · 2.76 Decimal Place Value and Powers of Ten: 1-hour Pack

Question 1

correct option A (58.36) cao **B1**

Answer: A) 58.36

Question 2

correct option C (0.0848) cao **B1**

Answer: C) 0.0848

Question 3

correct option D (5.036) cao **B1**

Answer: D) 5.036

Question 4

correct option A (5,610) cao **B1**

Answer: A) 5,610

Question 5

correct option B (0.8826) cao **B1**

Answer: B) 0.8826

Question 6

correct option C (0.4096) cao **B1**

Answer: C) 0.4096

Question 7

correct option C (786.5) cao **B1**

Answer: C) 786.5

Question 8

correct option D (0.02154) cao **B1**

Answer: D) 0.02154

Question 9

correct option B (95,650) cao **B1**

Answer: B) 95,650

Question 10

correct option E (9,430) cao **B1**

Answer: E) 9,430

Question 11

correct option E (0.2227) cao **B1**

Answer: E) 0.2227

Question 12

correct option B (5,770) cao **B1**

Answer: B) 5,770

Question 13

correct option A (41.61) cao **B1**

Answer: A) 41.61

Question 14

correct option C (55.47) cao **B1**

Answer: C) 55.47

Question 15

correct option D (30,330) cao **B1**

Answer: D) 30,330

Question 16

correct option C (93.52) cao **B1**

Answer: C) 93.52

Question 17

correct option B (215,700) cao **B1**

Answer: B) 215,700

Question 18

correct option A (0.006702) cao **B1**

Answer: A) 0.006702

Question 19

correct option D (13.56) cao **B1**

Answer: D) 13.56

Question 20

correct option C (0.826) cao **B1**

Answer: C) 0.826

Question 21

correct option A (13,240) cao **B1**

Answer: A) 13,240

Question 22

correct option B (12,410) cao **B1**

Answer: B) 12,410

Question 23

correct option D (49,270) cao **B1**

Answer: D) 49,270

Question 24

correct option A (0.006033) cao **B1**

Answer: A) 0.006033

Question 25

(a) 3.75 litres cao **B1**

(a) Answer: 3.75 litres

(b) multiply 0.375 by 1000 (shift decimal 3 places) **M1**

(b) 375 cao **A1**

(b) Answer: 375 litres

Question 26

correct option E (1.73) cao **B1**

Answer: E) 1.73

Question 27

correct option B (21,510) cao **B1**

Answer: B) 21,510

© Revision Library | revisionlibrary.co.uk

Question 28

correct option D (0.07089) cao **B1**

Answer: D) 0.07089

Question 29

multiply 0.85 by 1000 (or shift decimal 3 places) **M1**

£850.00 cao **A1**

Answer: £850.00

Question 30

correct option E (0.00139) cao **B1**

Answer: E) 0.00139

Question 31

correct option E (0.05512) cao **B1**

Answer: E) 0.05512

Question 32

correct option D (1.58) cao **B1**

Answer: D) 1.58

Question 33

correct option E (11.2) cao **B1**

Answer: E) 11.2

Question 34

correct option E (498,400) cao **B1**

Answer: E) 498,400

Question 35

correct option A (8,186) cao **B1**

Answer: A) 8,186

Question 36

correct option B (5.108) cao **B1**

Answer: B) 5.108

Question 37

correct option D (909.4) cao **B1**

Answer: D) 909.4

Question 38

correct option E (921,300) cao **B1**

Answer: E) 921,300

Question 39

correct option D (2.183) cao **B1**

Answer: D) 2.183

Question 40

correct option A (9,302) cao **B1**

Answer: A) 9,302

Question 41

correct option A (0.06863) cao **B1**

Answer: A) 0.06863

Question 42

correct option D (55,300) cao **B1**

Answer: D) 55,300

Question 43

correct option B (5.852) cao **B1**

Answer: B) 5.852

Question 44

correct option E (0.0619) cao **B1**

Answer: E) 0.0619

Question 45

correct option D (242.8) cao **B1**

Answer: D) 242.8

Question 46

correct option C (656) cao **B1**

Answer: C) 656

Question 47

correct option A (938.6) cao **B1**

Answer: A) 938.6

Question 48

correct option B (0.7929) cao **B1**

Answer: B) 0.7929

Question 49

correct option E (29.71) cao **B1**

Answer: E) 29.71

Question 50

correct option E (7.903) cao **B1**

Answer: E) 7.903

Question 51

correct option C (0.339) cao **B1**

Answer: C) 0.339

Question 52

correct option B (3.175) cao **B1**

Answer: B) 3.175

Question 53

correct option D (9.355) cao **B1**

Answer: D) 9.355

Question 54

correct option A (0.5573) cao **B1**

Answer: A) 0.5573

Question 55

correct option B (78,890) cao **B1**

Answer: B) 78,890

Question 56

correct option C (29.36) cao **B1**

Answer: C) 29.36

© Revision Library | revisionlibrary.co.uk

Question 57

correct option E (418,500) cao **B1**

Answer: E) 418,500

Question 58

correct option D (956.5) cao **B1**

Answer: D) 956.5

Question 59

correct option D (528,700) cao **B1**

Answer: D) 528,700

Question 60

correct option B (22,080) cao **B1**

Answer: B) 22,080

Question 61

correct option A (5,800,000) cao **B1**

Answer: A) 5,800,000

© Revision Library | revisionlibrary.co.uk