2.76 Decimal Place Value and Powers of Ten: 30-minute Pack

Total Marks

GL ASSESSMENT GL-11PLUS-MATHS · Calculators not allowed · about 30 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 What is 6.17 divided by 1,000?

- ☐ A) 6,170
- ☐ B) 1.00617
- ☐ C) 0.00617
- ☐ D) 0.0617
- ☐ E) 0.000617

---

2 What is 7.145 divided by 100?

- ☐ A) 7.145
- ☐ B) 0.07145
- ☐ C) 1.07145
- ☐ D) 714.5
- ☐ E) 0.007145

---

3 What is 1.417 divided by 100?

- ☐ A) 0.001417
- ☐ B) 1.01417
- ☐ C) 0.1417
- ☐ D) 141.7
- ☐ E) 0.01417

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4 What is 2.274 divided by 100?

- [ ] A) 2.274
- [ ] B) 0.02274
- [ ] C) 227.4
- [ ] D) 0.2274
- [ ] E) 0.002274

---

5 What is 5,334 multiplied by 100?

- [ ] A) 53.34
- [ ] B) 533,401
- [ ] C) 5,334,000
- [ ] D) 533,400
- [ ] E) 533,399

---

6 What is 9.187 divided by 1,000?

- [ ] A) 9,187
- [ ] B) 0.0009187
- [ ] C) 0.009187
- [ ] D) 9.187
- [ ] E) 0.09187

---

7 What is 572.7 multiplied by 10?

- [ ] A) 5,727
- [ ] B) 57.27
- [ ] C) 572.7
- [ ] D) 57,270
- [ ] E) 5,728

---

8 What is 1,856 multiplied by 1,000?

- [ ] A) 1,856,001
- [ ] B) 185,600
- [ ] C) 18,560,000
- [ ] D) 1.856
- [ ] E) 1,856,000

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9 What is 8,586 divided by 10?

- ☐ A) 8,586
- ☐ B) 858.6
- ☐ C) 85,860
- ☐ D) 857.6
- ☐ E) 85.86

---

10 What is 1.483 divided by 100?

- ☐ A) 1.01483
- ☐ B) 0.1483
- ☐ C) 0.01483
- ☐ D) 148.3
- ☐ E) 0.001483

---

11 What is 53.35 divided by 10?

- ☐ A) 533.5
- ☐ B) 6.335
- ☐ C) 5.335
- ☐ D) 4.335
- ☐ E) 0.5335

---

12 What is 0.75 divided by 1,000?

- ☐ A) 0.00075
- ☐ B) 750
- ☐ C) 0.75
- ☐ D) 0.0075
- ☐ E) 0.000075

---

13 What is 651.7 multiplied by 1,000?

- ☐ A) 651,701
- ☐ B) 6,517,000
- ☐ C) 0.6517
- ☐ D) 651,700
- ☐ E) 65,170

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14 What is 7,445 multiplied by 100?

- [ ] A) 744,501
- [ ] B) 74,450
- [ ] C) 744,500
- [ ] D) 7,445,000
- [ ] E) 74.45

---

15 What is 1.622 multiplied by 10?

- [ ] A) 0.1622
- [ ] B) 162.2
- [ ] C) 16,220
- [ ] D) 15.22
- [ ] E) 16.22

---

16 What is 6,291 divided by 100?

- [ ] A) 6,291
- [ ] B) 629.1
- [ ] C) 629,100
- [ ] D) 62.91
- [ ] E) 6.291

---

17 What is 8,454 multiplied by 100?

- [ ] A) 845,400
- [ ] B) 8,454,000
- [ ] C) 84,540
- [ ] D) 845,401
- [ ] E) 84.54

---

18 What is 915.7 divided by 10?

- [ ] A) 91.57
- [ ] B) 9.157
- [ ] C) 90.57
- [ ] D) 915.7
- [ ] E) 9,157

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19 Write 0.06 as a number of thousandths.

(2)

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20 What is 3,353 divided by 1,000?

- ☐ A) 3,353,000
- ☐ B) 4.353
- ☐ C) 0.3353
- ☐ D) 33.53
- ☐ E) 3.353

---

21 What is 8.49 divided by 1,000?

- ☐ A) 0.0849
- ☐ B) 1.00849
- ☐ C) 8,490
- ☐ D) 0.00849
- ☐ E) 0.000849

---

22 What is 776.6 multiplied by 1,000?

- ☐ A) 7,766,000
- ☐ B) 776,600
- ☐ C) 0.7766
- ☐ D) 776,599
- ☐ E) 77,660

---

23 What is 1,977 multiplied by 1,000?

- ☐ A) 1,976,999
- ☐ B) 1,977,000
- ☐ C) 1,977,001
- ☐ D) 1.977
- ☐ E) 19,770,000

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24 What is 3,919 multiplied by 1,000?

- [ ] A) 3,919,000
- [ ] B) 3,919,001
- [ ] C) 39,190,000
- [ ] D) 3,918,999
- [ ] E) 3.919

---

25 What is 14.98 divided by 100?

- [ ] A) 0.01498
- [ ] B) 1.1498
- [ ] C) 1,498
- [ ] D) 1.498
- [ ] E) 0.1498

---

26 What is 7.426 multiplied by 100?

- [ ] A) 0.07426
- [ ] B) 741.6
- [ ] C) 742,600
- [ ] D) 742.6
- [ ] E) 7,426

---

27 What is 231.5 multiplied by 100?

- [ ] A) 2,315
- [ ] B) 231,500
- [ ] C) 23,150
- [ ] D) 2.315
- [ ] E) 23,149

---

28 What is 4,095 divided by 1,000?

- [ ] A) 0.4095
- [ ] B) 4.095
- [ ] C) 40.95
- [ ] D) 4,095,000
- [ ] E) 3.095

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29 What is 6.617 divided by 100?

- ☐ A) 0.006617
- ☐ B) 661.7
- ☐ C) 6.617
- ☐ D) 1.06617
- ☐ E) 0.06617

---

30 Multiply 0.6 by 10 and then divide the result by 100. Give your final answer as a decimal.

(2)

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Mark scheme · 2.76 Decimal Place Value and Powers of Ten: 30-minute Pack

Question 1

correct option C (0.00617) cao **B1**

Answer: C) 0.00617

Question 2

correct option B (0.07145) cao **B1**

Answer: B) 0.07145

Question 3

correct option E (0.01417) cao **B1**

Answer: E) 0.01417

Question 4

correct option B (0.02274) cao **B1**

Answer: B) 0.02274

Question 5

correct option D (533,400) cao **B1**

Answer: D) 533,400

Question 6

correct option C (0.009187) cao **B1**

Answer: C) 0.009187

Question 7

correct option A (5,727) cao **B1**

Answer: A) 5,727

Question 8

correct option E (1,856,000) cao **B1**

Answer: E) 1,856,000

Question 9

correct option B (858.6) cao **B1**

Answer: B) 858.6

Question 10

correct option C (0.01483) cao **B1**

Answer: C) 0.01483

Question 11

correct option C (5.335) cao **B1**

Answer: C) 5.335

Question 12

correct option A (0.00075) cao **B1**

Answer: A) 0.00075

Question 13

correct option D (651,700) cao **B1**

Answer: D) 651,700

Question 14

correct option C (744,500) cao **B1**

Answer: C) 744,500

Question 15

correct option E (16.22) cao **B1**

Answer: E) 16.22

Question 16

correct option D (62.91) cao **B1**

Answer: D) 62.91

Question 17

correct option A (845,400) cao **B1**

Answer: A) 845,400

Question 18

correct option A (91.57) cao **B1**

Answer: A) 91.57

Question 19

convert 0.06 to thousandths by multiplying by 1000 or equivalent method **M1**

60 thousandths (60/1000) cao **A1**

Answer: 60 thousandths (60/1000)

Question 20

correct option E (3.353) cao **B1**

Answer: E) 3.353

Question 21

correct option D (0.00849) cao **B1**

Answer: D) 0.00849

Question 22

correct option B (776,600) cao **B1**

Answer: B) 776,600

Question 23

correct option B (1,977,000) cao **B1**

Answer: B) 1,977,000

Question 24

correct option A (3,919,000) cao **B1**

Answer: A) 3,919,000

Question 25

correct option E (0.1498) cao **B1**

Answer: E) 0.1498

Question 26

correct option D (742.6) cao **B1**

Answer: D) 742.6

Question 27

correct option C (23,150) cao **B1**

Answer: C) 23,150

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Question 28

correct option B (4.095) cao **B1**

Answer: B) 4.095

Question 29

correct option E (0.06617) cao **B1**

Answer: E) 0.06617

Question 30

perform multiply by 10 then divide by 100 (0.6 x 10 = 6; 6 / 100 = 0.06) **M1**

0.06 cao **A1**

Answer: 0.06

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