2.75 Comparing and Ordering Fractions, Decimals and Percentages: 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 Which of these is the largest?

- ☐ A) 7/10
- ☐ B) 7/8
- ☐ C) 88%
- ☐ D) 17/25
- ☐ E) 0.8

---

2 Which of these is the largest?

- ☐ A) 0.4
- ☐ B) 48%
- ☐ C) 52%
- ☐ D) 9/20
- ☐ E) 11/20

---

3 Which of these is the smallest?

- ☐ A) 55%
- ☐ B) 48%
- ☐ C) 5/8
- ☐ D) 64%
- ☐ E) 0.68

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4 Which of these is the smallest?

- [ ] A) 0.45
- [ ] B) 2/5
- [ ] C) 13/25
- [ ] D) 0.36
- [ ] E) 0.48

---

5 Which of these is the smallest?

- [ ] A) 60%
- [ ] B) 0.4
- [ ] C) 1/2
- [ ] D) 0.375
- [ ] E) 36%

---

6 Which of these is the smallest?

- [ ] A) 0.52
- [ ] B) 3/4
- [ ] C) 56%
- [ ] D) 5/8
- [ ] E) 76%

---

7 Which of these is the smallest?

- [ ] A) 16%
- [ ] B) 15%
- [ ] C) 36%
- [ ] D) 0.375
- [ ] E) 25%

---

8 Which of these is the largest?

- [ ] A) 44%
- [ ] B) 0.375
- [ ] C) 0.52
- [ ] D) 2/5
- [ ] E) 45%

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9 Which of these is the smallest?

- [ ] A) 3/20
- [ ] B) 0.08
- [ ] C) 3/25
- [ ] D) 0.04
- [ ] E) 0.125

---

10 Which of these is the largest?

- [ ] A) 0.36
- [ ] B) 44%
- [ ] C) 28%
- [ ] D) 12/25
- [ ] E) 0.5

---

11 Which of these is the smallest?

- [ ] A) 60%
- [ ] B) 0.55
- [ ] C) 16/25
- [ ] D) 5/8
- [ ] E) 13/25

---

12 Which of these is the largest?

- [ ] A) 70%
- [ ] B) 64%
- [ ] C) 0.625
- [ ] D) 0.68
- [ ] E) 65%

---

13 Which of these is the smallest?

- [ ] A) 88%
- [ ] B) 23/25
- [ ] C) 0.8
- [ ] D) 76%
- [ ] E) 7/8

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14 Which of these is the largest?

- [ ] A) 28%
- [ ] B) 7/20
- [ ] C) 0.45
- [ ] D) 40%
- [ ] E) 0.3

---

15 Which of these is the smallest?

- [ ] A) 0.92
- [ ] B) 3/4
- [ ] C) 21/25
- [ ] D) 80%
- [ ] E) 19/25

---

16 Which of these is the smallest?

- [ ] A) 35%
- [ ] B) 7/25
- [ ] C) 44%
- [ ] D) 3/10
- [ ] E) 9/25

---

17 Which of these is the largest?

- [ ] A) 0.52
- [ ] B) 0.45
- [ ] C) 0.68
- [ ] D) 44%
- [ ] E) 16/25

---

18 Which of these is the smallest?

- [ ] A) 0.64
- [ ] B) 76%
- [ ] C) 0.75
- [ ] D) 13/25
- [ ] E) 5/8

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19 Which of these is the smallest?

- ☐ A) 0.48
- ☐ B) 52%
- ☐ C) 56%
- ☐ D) 0.625
- ☐ E) 0.375

---

20 Which of these is the largest?

- ☐ A) 4/25
- ☐ B) 8/25
- ☐ C) 3/8
- ☐ D) 1/5
- ☐ E) 0.3

---

21 Which of these is the largest?

- ☐ A) 13/20
- ☐ B) 55%
- ☐ C) 50%
- ☐ D) 12/25
- ☐ E) 60%

---

22 Which of these is the largest?

- ☐ A) 1/8
- ☐ B) 3/25
- ☐ C) 6/25
- ☐ D) 3/20
- ☐ E) 16%

---

23 Which of these is the largest?

- ☐ A) 0.375
- ☐ B) 3/5
- ☐ C) 14/25
- ☐ D) 0.36
- ☐ E) 0.5

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24 Which of these is the largest?

- [ ] A) 0.36
- [ ] B) 7/25
- [ ] C) 0.44
- [ ] D) 45%
- [ ] E) 3/8

---

25 Which of these is the smallest?

- [ ] A) 19/25
- [ ] B) 70%
- [ ] C) 5/8
- [ ] D) 0.65
- [ ] E) 0.64

---

26 Which of these is the smallest?

- [ ] A) 3/4
- [ ] B) 21/25
- [ ] C) 7/8
- [ ] D) 19/25
- [ ] E) 7/10

---

27 Which of these is the largest?

- [ ] A) 0.36
- [ ] B) 1/5
- [ ] C) 0.24
- [ ] D) 0.35
- [ ] E) 3/10

---

28 Which of these is the smallest?

- [ ] A) 0.7
- [ ] B) 0.84
- [ ] C) 72%
- [ ] D) 19/25
- [ ] E) 3/5

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29 Which of these is the largest?

- [ ] A) 0.3
- [ ] B) 4/25
- [ ] C) 15%
- [ ] D) 7/20
- [ ] E) 0.1

---

30 Which of these is the largest?

- [ ] A) 0.68
- [ ] B) 0.84
- [ ] C) 75%
- [ ] D) 0.8
- [ ] E) 65%

---

31 Which of these is the smallest?

- [ ] A) 0.3
- [ ] B) 0.52
- [ ] C) 11/25
- [ ] D) 0.36
- [ ] E) 8/25

---

32 Which of these is the smallest?

- [ ] A) 0.84
- [ ] B) 23/25
- [ ] C) 7/8
- [ ] D) 18/25
- [ ] E) 3/4

---

33 Which of these is the largest?

- [ ] A) 5/8
- [ ] B) 0.45
- [ ] C) 36%
- [ ] D) 52%
- [ ] E) 55%

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34 Which of these is the largest?

- [ ] A) 18/25
- [ ] B) 3/5
- [ ] C) 3/4
- [ ] D) 0.68
- [ ] E) 70%

---

35 Which of these is the largest?

- [ ] A) 10%
- [ ] B) 32%
- [ ] C) 30%
- [ ] D) 20%
- [ ] E) 3/25

---

36 Which of these is the smallest?

- [ ] A) 56%
- [ ] B) 13/20
- [ ] C) 0.6
- [ ] D) 0.625
- [ ] E) 0.64

---

37 Which of these is the smallest?

- [ ] A) 0.56
- [ ] B) 0.6
- [ ] C) 0.55
- [ ] D) 5/8
- [ ] E) 0.45

---

38 Which of these is the smallest?

- [ ] A) 9/20
- [ ] B) 1/2
- [ ] C) 55%
- [ ] D) 0.4
- [ ] E) 13/25

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39 Which of these is the largest?

- [ ] A) 52%
- [ ] B) 0.55
- [ ] C) 35%
- [ ] D) 3/8
- [ ] E) 3/10

---

40 Which of these is the largest?

- [ ] A) 55%
- [ ] B) 5/8
- [ ] C) 16/25
- [ ] D) 11/25
- [ ] E) 40%

---

41 Which of these is the largest?

- [ ] A) 0.64
- [ ] B) 0.76
- [ ] C) 21/25
- [ ] D) 75%
- [ ] E) 68%

---

42 Which of these is the largest?

- [ ] A) 5/8
- [ ] B) 0.5
- [ ] C) 0.64
- [ ] D) 13/20
- [ ] E) 60%

---

43 Which of these is the smallest?

- [ ] A) 0.04
- [ ] B) 0.1
- [ ] C) 0.28
- [ ] D) 0.05
- [ ] E) 2/25

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44 Which of these is the smallest?

- [ ] A) 7/20
- [ ] B) 1/4
- [ ] C) 7/25
- [ ] D) 9/25
- [ ] E) 3/8

---

45 Which of these is the smallest?

- [ ] A) 0.45
- [ ] B) 3/5
- [ ] C) 11/20
- [ ] D) 0.4
- [ ] E) 48%

---

46 Which of these is the smallest?

- [ ] A) 0.24
- [ ] B) 0.125
- [ ] C) 25%
- [ ] D) 30%
- [ ] E) 16%

---

47 Which of these is the smallest?

- [ ] A) 8%
- [ ] B) 3/10
- [ ] C) 1/8
- [ ] D) 0.2
- [ ] E) 0.12

---

48 Which of these is the smallest?

- [ ] A) 0.2
- [ ] B) 3/20
- [ ] C) 0.04
- [ ] D) 0.125
- [ ] E) 10%

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49 Which of these is the smallest?

- [ ] A) 14/25
- [ ] B) 0.52
- [ ] C) 0.48
- [ ] D) 50%
- [ ] E) 0.375

---

50 Which of these is the largest?

- [ ] A) 16/25
- [ ] B) 56%
- [ ] C) 0.75
- [ ] D) 80%
- [ ] E) 55%

---

51 Which of these is the smallest?

- [ ] A) 0.32
- [ ] B) 48%
- [ ] C) 0.35
- [ ] D) 36%
- [ ] E) 0.45

---

52 Which of these is the largest?

- [ ] A) 0.4
- [ ] B) 9/25
- [ ] C) 3/8
- [ ] D) 35%
- [ ] E) 0.44

---

53 Which of these is the smallest?

- [ ] A) 24%
- [ ] B) 0.2
- [ ] C) 0.4
- [ ] D) 1/4
- [ ] E) 0.44

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54 Which of these is the largest?

- [ ] A) 5/8
- [ ] B) 3/5
- [ ] C) 17/25
- [ ] D) 0.56
- [ ] E) 11/20

---

55 Which of these is the smallest?

- [ ] A) 0.6
- [ ] B) 0.55
- [ ] C) 11/25
- [ ] D) 50%
- [ ] E) 9/20

---

56 Which of these is the smallest?

- [ ] A) 12/25
- [ ] B) 0.36
- [ ] C) 3/8
- [ ] D) 1/2
- [ ] E) 0.4

---

57 Which of these is the largest?

- [ ] A) 0.68
- [ ] B) 0.875
- [ ] C) 0.7
- [ ] D) 21/25
- [ ] E) 0.88

---

58 Which of these is the largest?

- [ ] A) 18/25
- [ ] B) 76%
- [ ] C) 64%
- [ ] D) 7/8
- [ ] E) 85%

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59 Which of these is the largest?

- ☐ A) 0.35
- ☐ B) 0.36
- ☐ C) 48%
- ☐ D) 0.28
- ☐ E) 50%

---

60 Which of these is the smallest?

- ☐ A) 0.72
- ☐ B) 0.88
- ☐ C) 0.75
- ☐ D) 0.7
- ☐ E) 80%

---

61 Which of these is the largest?

- ☐ A) 0.375
- ☐ B) 0.625
- ☐ C) 52%
- ☐ D) 14/25
- ☐ E) 12/25

---

62 Order these numbers from smallest to largest: 11/25, 43%, 0.431, 7/16

(3)

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Mark scheme · 2.75 Comparing and Ordering Fractions, Decimals and Percentages: 1-hour Pack

A correct answer earns full marks unless the question asks for working, a method, proof or explanation.

Question 1

correct option C (88%) cao **B1**

Answer: C) 88%

Question 2

correct option E (11/20) cao **B1**

Answer: E) 11/20

Question 3

correct option B (48%) cao **B1**

Answer: B) 48%

Question 4

correct option D (0.36) cao **B1**

Answer: D) 0.36

Question 5

correct option E (36%) cao **B1**

Answer: E) 36%

Question 6

correct option A (0.52) cao **B1**

Answer: A) 0.52

Question 7

correct option B (15%) cao **B1**

Answer: B) 15%

Question 8

correct option C (0.52) cao **B1**

Answer: C) 0.52

Question 9

correct option D (0.04) cao **B1**

Answer: D) 0.04

Question 10

correct option E (0.5) cao **B1**

Answer: E) 0.5

Question 11

correct option E (13/25) cao **B1**

Answer: E) 13/25

Question 12

correct option A (70%) cao **B1**

Answer: A) 70%

Question 13

correct option D (76%) cao **B1**

Answer: D) 76%

Question 14

correct option C (0.45) cao **B1**

Answer: C) 0.45

Question 15

correct option B (3/4) cao **B1**

Answer: B) 3/4

Question 16

correct option B (7/25) cao **B1**

Answer: B) 7/25

Question 17

correct option C (0.68) cao **B1**

Answer: C) 0.68

Question 18

correct option D (13/25) cao **B1**

Answer: D) 13/25

Question 19

correct option E (0.375) cao **B1**

Answer: E) 0.375

Question 20

correct option C (3/8) cao **B1**

Answer: C) 3/8

Question 21

correct option A (13/20) cao **B1**

Answer: A) 13/20

Question 22

correct option C (6/25) cao **B1**

Answer: C) 6/25

Question 23

correct option B (3/5) cao **B1**

Answer: B) 3/5

Question 24

correct option D (45%) cao **B1**

Answer: D) 45%

Question 25

correct option C (5/8) cao **B1**

Answer: C) 5/8

Question 26

correct option E (7/10) cao **B1**

Answer: E) 7/10

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Question 27

correct option A (0.36) cao **B1**

Answer: A) 0.36

Question 28

correct option E (3/5) cao **B1**

Answer: E) 3/5

Question 29

correct option D (7/20) cao **B1**

Answer: D) 7/20

Question 30

correct option B (0.84) cao **B1**

Answer: B) 0.84

Question 31

correct option A (0.3) cao **B1**

Answer: A) 0.3

Question 32

correct option D (18/25) cao **B1**

Answer: D) 18/25

Question 33

correct option A (5/8) cao **B1**

Answer: A) 5/8

Question 34

correct option C (3/4) cao **B1**

Answer: C) 3/4

Question 35

correct option B (32%) cao **B1**

Answer: B) 32%

Question 36

correct option A (56%) cao **B1**

Answer: A) 56%

Question 37

correct option E (0.45) cao **B1**

Answer: E) 0.45

Question 38

correct option D (0.4) cao **B1**

Answer: D) 0.4

Question 39

correct option B (0.55) cao **B1**

Answer: B) 0.55

Question 40

correct option C (16/25) cao **B1**

Answer: C) 16/25

Question 41

correct option C (21/25) cao **B1**

Answer: C) 21/25

Question 42

correct option D (13/20) cao **B1**

Answer: D) 13/20

Question 43

correct option A (0.04) cao **B1**

Answer: A) 0.04

Question 44

correct option B (1/4) cao **B1**

Answer: B) 1/4

Question 45

correct option D (0.4) cao **B1**

Answer: D) 0.4

Question 46

correct option B (0.125) cao **B1**

Answer: B) 0.125

Question 47

correct option A (8%) cao **B1**

Answer: A) 8%

Question 48

correct option C (0.04) cao **B1**

Answer: C) 0.04

Question 49

correct option E (0.375) cao **B1**

Answer: E) 0.375

Question 50

correct option D (80%) cao **B1**

Answer: D) 80%

Question 51

correct option A (0.32) cao **B1**

Answer: A) 0.32

Question 52

correct option E (0.44) cao **B1**

Answer: E) 0.44

Question 53

correct option B (0.2) cao **B1**

Answer: B) 0.2

Question 54

correct option C (17/25) cao **B1**

Answer: C) 17/25

Question 55

correct option C (11/25) cao **B1**

Answer: C) 11/25

Question 56

correct option B (0.36) cao **B1**

Answer: B) 0.36

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Question 57

correct option E (0.88) cao **B1**

Answer: E) 0.88

Question 58

correct option D (7/8) cao **B1**

Answer: D) 7/8

Question 59

correct option E (50%) cao **B1**

Answer: E) 50%

Question 60

correct option D (0.7) cao **B1**

Answer: D) 0.7

Question 61

correct option B (0.625) cao **B1**

Answer: B) 0.625

Question 62

Some conversions shown (eg 11/25 = 0.44, 43% = 0.43) or equivalent method **M1**

Remaining conversions shown (eg 7/16 = 0.4375, 0.431 seen) or equivalent **M1**

Correct order: 43%, 0.431, 7/16, 11/25 cao **A1**

Answer: 43% (0.43), 0.431, 7/16 (0.4375), 11/25 (0.44)

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