2.23 Fractions, Decimals and Percentages Mixed Drill: 30-minute Pack

Total Marks

GL ASSESSMENT EP.M24 · Calculators not allowed · about 30 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Write 0.875 as a fraction in its simplest form.

- ☐ A) 7/8
- ☐ B) 875/10000
- ☐ C) 875/1000
- ☐ D) 7/15
- ☐ E) 876/875

---

2 Write 7/8 as a percentage.

- ☐ A) 87.5%
- ☐ B) 0.875%
- ☐ C) 78%
- ☐ D) 8.75%
- ☐ E) 8%

---

3 Write 20% as a fraction in its simplest form.

- ☐ A) 5/1
- ☐ B) 20/10
- ☐ C) 1/5
- ☐ D) 20/100
- ☐ E) 1/20

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4 Write 0.2 as a percentage.

- ☐ A) 200%
- ☐ B) 20%
- ☐ C) 0.02%
- ☐ D) 2%
- ☐ E) 0.2%

---

5 Write 3/8 as a percentage.

(1)

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6 Write 0.5 as a fraction in its simplest form.

- ☐ A) 1/3
- ☐ B) 2/5
- ☐ C) 5/100
- ☐ D) 1/2
- ☐ E) 5/10

---

7 Write 75% as a fraction in its simplest form.

- ☐ A) 75/100
- ☐ B) 75/1000
- ☐ C) 75/10
- ☐ D) 1/75
- ☐ E) 3/4

---

8 Write 3/5 as a decimal.

- ☐ A) 0.35
- ☐ B) 0.6
- ☐ C) 3.5
- ☐ D) 5.0
- ☐ E) 0.06

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9 Write 8/25 as a percentage.

- [ ] A) 32%
- [ ] B) 825%
- [ ] C) 80%
- [ ] D) 3.2%
- [ ] E) 0.32%

---

10 Write 80% as a fraction in its simplest form.

- [ ] A) 80/100
- [ ] B) 80/10
- [ ] C) 4/5
- [ ] D) 1/80
- [ ] E) 80/1000

---

11 Write 12% as a fraction in its simplest form.

- [ ] A) 1/12
- [ ] B) 3/25
- [ ] C) 12/10
- [ ] D) 12/100
- [ ] E) 12/1000

---

12 Write 25% as a fraction in its simplest form.

- [ ] A) 4/1
- [ ] B) 1/25
- [ ] C) 25/10
- [ ] D) 25/100
- [ ] E) 1/4

---

13 Write 3/20 as a decimal.

- [ ] A) 20.0
- [ ] B) 0.320
- [ ] C) 3.20
- [ ] D) 0.15
- [ ] E) 0.015

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14 Write 16/25 as a decimal.

- [ ] A) 16.25
- [ ] B) 25.0
- [ ] C) 0.64
- [ ] D) 0.1625
- [ ] E) 6.4

---

15 Write 11/20 as a decimal.

- [ ] A) 11.20
- [ ] B) 0.055
- [ ] C) 5.5
- [ ] D) 0.1120
- [ ] E) 0.55

---

16 Write 0.04 as a percentage.

- [ ] A) 40%
- [ ] B) 4%
- [ ] C) 0.4%
- [ ] D) 0.0004%
- [ ] E) 0.04%

---

17 Write 0.76 as a percentage.

- [ ] A) 7.6%
- [ ] B) 0.0076%
- [ ] C) 76%
- [ ] D) 0.76%
- [ ] E) 0.076%

---

18 Write 6/25 as a decimal.

- [ ] A) 6.25
- [ ] B) 25.0
- [ ] C) 0.625
- [ ] D) 0.24
- [ ] E) 2.4

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19 Write 7/10 as a decimal.

- [ ] A) 0.7
- [ ] B) 0.07
- [ ] C) 7
- [ ] D) 7.10
- [ ] E) 0.710

---

20 Write 1/5 as a percentage.

- [ ] A) 20%
- [ ] B) 500%
- [ ] C) 2%
- [ ] D) 0.2%
- [ ] E) 15%

---

21 Write 10% as a fraction in its simplest form.

- [ ] A) 10/10
- [ ] B) 10/1
- [ ] C) 10/100
- [ ] D) 10/1000
- [ ] E) 1/10

---

22 Write 0.25 as a fraction in its simplest form.

- [ ] A) 25/100
- [ ] B) 25/1000
- [ ] C) 1/5
- [ ] D) 1/4
- [ ] E) 4/25

---

23 Calculate 15% of 60.

(1)

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24 Write 19/20 as a percentage.

- [ ] A) 190%
- [ ] B) 20%
- [ ] C) 95%
- [ ] D) 0.95%
- [ ] E) 1920%

---

25 Write 11/25 as a decimal.

- [ ] A) 0.1125
- [ ] B) 25.0
- [ ] C) 11.25
- [ ] D) 0.44
- [ ] E) 4.4

---

26 Write 7/25 as a decimal.

- [ ] A) 0.28
- [ ] B) 0.725
- [ ] C) 7.25
- [ ] D) 25.0
- [ ] E) 0.028

---

27 Write 0.28 as a fraction in its simplest form.

- [ ] A) 29/28
- [ ] B) 1/28
- [ ] C) 7/25
- [ ] D) 28/1000
- [ ] E) 28/100

---

28 Write 0.96 as a fraction in its simplest form.

- [ ] A) 24/49
- [ ] B) 97/96
- [ ] C) 24/25
- [ ] D) 96/100
- [ ] E) 96/1000

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29 Write 11/20 as a percentage.

- ☐ A) 55%
- ☐ B) 1120%
- ☐ C) 5.5%
- ☐ D) 20%
- ☐ E) 0.55%

---

30 Find 2/3 of 63.

(1)

---

31 Convert 13/40 to a decimal.

(1)

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32 Order these from smallest to largest: 1/2, 0.3, 25%

(1)

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Mark scheme · 2.23 Fractions, Decimals and Percentages Mixed Drill: 30-minute Pack

Question 1

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

Answer: A) 7/8

Question 2

correct option A (87.5%) cao **B1**

Answer: A) 87.5%

Question 3

correct option C (1/5) cao **B1**

Answer: C) 1/5

Question 4

correct option B (20%) cao **B1**

Answer: B) 20%

Question 5

37.5% cao **B1**

Answer: 37.5%

Question 6

correct option D (1/2) cao **B1**

Answer: D) 1/2

Question 7

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

Answer: E) 3/4

Question 8

correct option B (0.6) cao **B1**

Answer: B) 0.6

Question 9

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

Answer: A) 32%

Question 10

correct option C (4/5) cao **B1**

Answer: C) 4/5

Question 11

correct option B (3/25) cao **B1**

Answer: B) 3/25

Question 12

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

Answer: E) 1/4

Question 13

correct option D (0.15) cao **B1**

Answer: D) 0.15

Question 14

correct option C (0.64) cao **B1**

Answer: C) 0.64

Question 15

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

Answer: E) 0.55

Question 16

correct option B (4%) cao **B1**

Answer: B) 4%

Question 17

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

Answer: C) 76%

Question 18

correct option D (0.24) cao **B1**

Answer: D) 0.24

Question 19

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

Answer: A) 0.7

Question 20

correct option A (20%) cao **B1**

Answer: A) 20%

Question 21

correct option E (1/10) cao **B1**

Answer: E) 1/10

Question 22

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

Answer: D) 1/4

Question 23

9 cao **B1**

Answer: 9

Question 24

correct option C (95%) cao **B1**

Answer: C) 95%

Question 25

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

Answer: D) 0.44

Question 26

correct option A (0.28) cao **B1**

Answer: A) 0.28

Question 27

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

Answer: C) 7/25

Question 28

correct option C (24/25) cao **B1**

Answer: C) 24/25

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Question 29

correct option A (55%) cao **B1**

Answer: A) 55%

Question 30

42 cao **B1**

Answer: 42

Question 31

0.325 cao **B1**

Answer: 0.325

Question 32

25%, 0.3, 1/2 cao **B1**

Answer: 25%, 0.3, 1/2

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