4.6 Fractions and Decimal Equivalents: 1-hour Pack

Calculators not allowed · about 60 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Write these decimals in order, starting with the largest.

6.44, 6.86, 6.23, 6.73

Answer: ___

(1)

---

2 Write these decimals in order, starting with the smallest.

5.26, 5.37, 5.21, 5.51

Answer: ___

(1)

---

3 Write 24/48 in its simplest form.

Answer: ___

(2)

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4 A banana costs £8.90 and a balloon costs £19.13. Kiran pays with a £30 note.

How much change does Kiran get?

Answer: £___

(2)

---

5 Write these decimals in order, starting with the largest.

6.4, 6.8, 6.7, 6.5

Answer: ___

(1)

---

6 Write these decimals in order, starting with the smallest.

1.20, 1.93, 1.56, 1.01

Answer: ___

(1)

---

7 Write these decimals in order, starting with the smallest.

3.3, 3.3, 3.9, 3.8

Answer: ___

(1)

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8 How many hundredths are in 0.46?

Answer: ___

(1)

---

9 How many hundredths are in 0.68?

Answer: ___

(1)

---

10 Work out 5/12 + 1/12.

Give your answer in its simplest form.

Answer: ___

(1)

---

11 A keyring costs £4.66 and a sticker costs £9.54. Hassan pays with a £15 note.

How much change does Hassan get?

Answer: £___

(2)

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12 Write these decimals in order, starting with the smallest.

9.02, 9.80, 9.25, 9.65

Answer: ___

(1)

---

13 What is the value of the digit 3 in 9.431?

Answer: ___

(1)

---

14 How many hundredths are in 0.70?

Answer: ___

(1)

---

15 What is the value of the digit 5 in 3.845?

Answer: ___

(1)

---

16 How many hundredths are in 0.55?

Answer: ___

(1)

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17 A rubber costs £4.45 and a kite costs £17.47.

What is the total cost of the two items?

Answer: £___

(1)

---

18 How many hundredths are in 0.86?

Answer: ___

(1)

---

19 Write these decimals in order, starting with the smallest.

3.53, 3.57, 3.47, 3.07

Answer: ___

(1)

---

20 Round 52.608 to 1 decimal place.

Answer: ___

(1)

---

21 Write 8/32 in its simplest form.

Answer: ___

(1)

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22 How many hundredths are in 0.81?

Answer: ___

(1)

---

23 Write these decimals in order, starting with the largest.

6.02, 6.59, 6.97, 6.98

Answer: ___

(1)

---

24 Write these decimals in order, starting with the smallest.

3.23, 3.09, 3.02, 3.05

Answer: ___

(1)

---

25 A banana costs £2.60 and a keyring costs £14.92. Bella pays with a £20 note.

How much change does Bella get?

Answer: £___

(2)

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26 Round 117.81 to 1 decimal place.

Answer: ___

(1)

---

27 Write these decimals in order, starting with the largest.

7.23, 7.32, 7.67, 7.66

Answer: ___

(1)

---

28 Round 829.44 to the nearest whole number.

Answer: ___

(1)

---

29 Write these fractions in order, starting with the smallest.

1/2, 5/6, 2/3

Answer: ___

(2)

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30 Write these decimals in order, starting with the largest.

8.0, 8.5, 8.8, 8.0

Answer: ___

(1)

---

31 How many hundredths are in 0.59?

Answer: ___

(1)

---

32 Write 3/4 as a fraction out of 100.

(1)

---

33 Write these fractions in order, starting with the largest.

4/6, 1/3, 5/6

Answer: ___

(2)

---

34 How many hundredths are in 0.15?

Answer: ___

(1)

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35 A juice costs £11.33 and a lolly costs £9.42.

What is the total cost of the two items?

Answer: £___

(2)

---

36 Which of these shows 25p written in pounds? Tick one.

- ☐ £2.50
- ☐ £25.00
- ☐ £0.25

---

37 Work out 34 ÷ 100. Write your answer as a decimal.

(1)

---

38 Write the missing number.
1/2 = ?/10

(1)

---

39 Add these: 0.4 + 0.25. Show the total as a decimal.

(2)

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Mark scheme · 4.6 Fractions and Decimal Equivalents: 1-hour Pack

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

Question 1

6.86, 6.73, 6.44, 6.23 cao — **B1**

Answer: **6.86, 6.73, 6.44, 6.23**

Question 2

5.21, 5.26, 5.37, 5.51 cao — **B1**

Answer: **5.21, 5.26, 5.37, 5.51**

Question 3

divides numerator and denominator by a common factor — **M1**

1/2 cao — **A1**

Answer: **1/2**

Question 4

28.03 seen — **M1**

£1.97 cao — **A1**

Answer: **£1.97**

Question 5

6.8, 6.7, 6.5, 6.4 cao — **B1**

Answer: **6.8, 6.7, 6.5, 6.4**

Question 6

1.01, 1.20, 1.56, 1.93 cao — **B1**

Answer: **1.01, 1.20, 1.56, 1.93**

Question 7

3.3, 3.3, 3.8, 3.9 cao — **B1**

Answer: **3.3, 3.3, 3.8, 3.9**

Question 8

46 cao — **B1**

Answer: **46**

Question 9

68 cao — **B1**

Answer: **68**

Question 10

1/2 cao — **B1**

Answer: **1/2**

Question 11

14.20 seen — **M1**

£0.80 cao — **A1**

Answer: **£0.80**

Question 12

9.02, 9.25, 9.65, 9.80 cao — **B1**

Answer: **9.02, 9.25, 9.65, 9.80**

Question 13

0.03 cao — **B1**

Answer: **0.03**

Question 14

70 cao — **B1**

Answer: **70**

Question 15

0.005 cao — **B1**

Answer: **0.005**

Question 16

55 cao — **B1**

Answer: **55**

Question 17

£21.92 cao — **B1**

Answer: **£21.92**

Question 18

86 cao — **B1**

Answer: **86**

Question 19

3.07, 3.47, 3.53, 3.57 cao — **B1**

Answer: **3.07, 3.47, 3.53, 3.57**

Question 20

52.6 cao — **B1**

Answer: **52.6**

Question 21

1/4 cao — **B1**

Answer: **1/4**

Question 22

81 cao — **B1**

Answer: **81**

Question 23

6.98, 6.97, 6.59, 6.02 cao — **B1**

Answer: **6.98, 6.97, 6.59, 6.02**

Question 24

3.02, 3.05, 3.09, 3.23 cao — **B1**

Answer: **3.02, 3.05, 3.09, 3.23**

Question 25

17.52 seen — **M1**

£2.48 cao — **A1**

Answer: **£2.48**

Question 26

117.8 cao — **B1**

Answer: **117.8**

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Question 27

7.67, 7.66, 7.32, 7.23 cao — **B1**

Answer: **7.67, 7.66, 7.32, 7.23**

Question 28

829 cao — **B1**

Answer: **829**

Question 29

converts to a common denominator or decimals — **M1**

1/2, 2/3, 5/6 cao — **A1**

Answer: **1/2, 2/3, 5/6**

Question 30

8.8, 8.5, 8.0, 8.0 cao — **B1**

Answer: **8.8, 8.5, 8.0, 8.0**

Question 31

59 cao — **B1**

Answer: **59**

Question 32

75/100 cao — **B1**

Answer: **75/100**

Question 33

converts to a common denominator or decimals — **M1**

5/6, 4/6, 1/3 cao — **A1**

Answer: **5/6, 4/6, 1/3**

Question 34

15 cao — **B1**

Answer: **15**

Question 35

addition of pounds and pence — **M1**

£20.75 cao — **A1**

Answer: **£20.75**

Question 36

£0.25 cao — **B1**

Answer: **£0.25**

Question 37

0.34 cao — **B1**

Answer: **0.34**

Question 38

5 cao — **B1**

Answer: **5**

Question 39

Correct method: align hundredths or convert 0.4 to 0.40 or 4/10 to 40/100 — **M1**

0.65 cao — **A1**

Answer: **0.65**

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