4.6 Fractions and Decimal Equivalents: 30-minute Pack

Calculators not allowed · about 30 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

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

2.5, 2.3, 2.8, 2.7

Answer: ___

(1)

---

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

1.6, 1.6, 1.5, 1.5

Answer: ___

(1)

---

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

2.96, 2.85, 2.42, 2.45

Answer: ___

(1)

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

2.62, 2.24, 2.29, 2.80

Answer: ___

(1)

---

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

1/5, 2/4, 3/4

Answer: ___

(2)

---

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

6.49, 6.50, 6.24, 6.66

Answer: ___

(1)

---

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

6.46, 6.80, 6.94, 6.43

Answer: ___

(1)

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8 What is the value of the digit 8 in 4.628?

Answer: ___

(1)

---

9 Write 3/10 as a decimal.

Answer: ___

(2)

---

10 A bar is divided into 12 equal parts. 4 parts are shaded.

What fraction of the bar is not shaded?

Answer: ___

(1)

---

11 Uma has 112 stickers. Uma gives 2/8 of them to a friend.

How many stickers does Uma give to the friend?

Answer: ___

(2)

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12 Work out 1/2 - 1/4.

Give your answer in its simplest form.

Answer: ___

(1)

---

13 A cake costs £6.88 and a notebook costs £15.76. Daisy pays with a £25 note.

How much change does Daisy get?

Answer: £___

(2)

---

14 How many hundredths are in 0.27?

Answer: ___

(1)

---

15 Fill in the missing number: ?/100 = 0.09

(1)

---

16 Round 71.32 to the nearest whole number.

Answer: ___

(1)

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17 What is 1/3 of 18?

Answer: ___

(1)

---

18 A paint pot is 0.45 full of red paint and 0.30 full of blue paint. What fraction of the pot is red and blue together? Give your answer as a fraction in simplest form.

(2)

---

19 Which fraction is equal to 0.75? Tick one.

- ☐ 3/4
- ☐ 75/10
- ☐ 7/5

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Mark scheme · 4.6 Fractions and Decimal Equivalents: 30-minute Pack

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

Question 1

2.8, 2.7, 2.5, 2.3 cao — **B1**

Answer: **2.8, 2.7, 2.5, 2.3**

Question 2

1.6, 1.6, 1.5, 1.5 cao — **B1**

Answer: **1.6, 1.6, 1.5, 1.5**

Question 3

2.42, 2.45, 2.85, 2.96 cao — **B1**

Answer: **2.42, 2.45, 2.85, 2.96**

Question 4

2.24, 2.29, 2.62, 2.80 cao — **B1**

Answer: **2.24, 2.29, 2.62, 2.80**

Question 5

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

1/5, 2/4, 3/4 cao — **A1**

Answer: **1/5, 2/4, 3/4**

Question 6

6.66, 6.50, 6.49, 6.24 cao — **B1**

Answer: **6.66, 6.50, 6.49, 6.24**

Question 7

6.43, 6.46, 6.80, 6.94 cao — **B1**

Answer: **6.43, 6.46, 6.80, 6.94**

Question 8

0.008 cao — **B1**

Answer: **0.008**

Question 9

method seen — **M1**

0.3 cao — **A1**

Answer: **0.3**

Question 10

8/12 cao — **B1**

Answer: **8/12**

Question 11

112 divided by 8 = 14 seen — **M1**

28 cao — **A1**

Answer: **28**

Question 12

1/4 cao — **B1**

Answer: **1/4**

Question 13

22.64 seen — **M1**

£2.36 cao — **A1**

Answer: **£2.36**

Question 14

27 cao — **B1**

Answer: **27**

Question 15

9 cao — **B1**

Answer: **9**

Question 16

71 cao — **B1**

Answer: **71**

Question 17

6 cao — **B1**

Answer: **6**

Question 18

Adds decimals 0.45 + 0.30 = 0.75 or converts to hundredths and adds — **M1**

3/4 cao — **A1**

Answer: **3/4**

Question 19

3/4 cao — **B1**

Answer: **3/4**

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