4.8 Decimals and Percentages (Year 5): 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.

1.360, 0.893, 1.083, 0.876

Answer: ___

(1)

2 Write the decimal 0.04 as a percentage.

(1)

3 Daisy scored 2 out of 20 in a test.

Write this score as a percentage.

Answer: ___ %

(2)

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4 In a sale, a ruler set costs £80. The price is reduced by 75%.

What is the sale price?

Answer: £___

(2)

---

5 Write these in order, smallest first.

3/10, 75%, 1/2

Answer: ___

(2)

---

6 Write these in order, smallest first.

0.25, 20%, 1/2

Answer: ___

(2)

---

7 Work out 20% of 28 m.

Answer: ___

(1)

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8 30.29 - 5.44 =

Answer: ___

(1)

---

9 Round 989.65 to 1 decimal place.

Answer: ___

(1)

---

10 99.78 - 4.28 =

Answer: ___

(1)

---

11 A sandwich costs £4 and a biscuit costs £8.90.

What is the total cost of the two items?

Answer: £___

(2)

---

12 Write 4/5 as a decimal.

Answer: ___

(1)

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13 Work out 75% of 28 kg.

Answer: ___

(1)

---

14 Round 78.225 to the nearest whole number.

Answer: ___

(1)

---

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

0.546, 0.835, 1.156, 0.756

Answer: ___

(1)

---

16 In a sale, a puzzle costs £20. The price is reduced by 30%.

What is the sale price?

Answer: £___

(2)

---

17 A school has 240 pupils. 12.5% of the pupils walk to school. How many pupils walk to school?

(2)

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18 Write these in order, smallest first.

0.25, 3/4, 3/10

Answer: ___

(2)

---

19 Write these in order, smallest first.

40%, 20%, 50%

Answer: ___

(1)

---

20 Write 0.2 as a percentage.

Answer: ___ %

(1)

---

21 282.3 divided by 100 =

Answer: ___

(1)

---

22 What is the value of the digit 6 in 1.364?

Answer: ___

(1)

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23 What is the value of the digit 9 in 3.497?

Answer: ___

(1)

---

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

1.238, 0.334, 0.872, 0.379

Answer: ___

(1)

---

25 49.35 - 8.29 =

Answer: ___

(1)

---

26 Round 46.545 to 1 decimal place.

Answer: ___

(1)

---

27 10.39 - 0.31 =

Answer: ___

(1)

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28 Write these in order, smallest first.

1/5, 0.3, 25%

Answer: ___

(1)

---

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

1.126, 1.475, 1.289, 1.605

Answer: ___

(1)

---

30 What decimal is made from 4 ones, 6 tenths, 3 hundredths and 5 thousandths?

Answer: ___

(1)

---

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

1.330, 1.249, 1.000, 0.890

Answer: ___

(1)

---

32 29.40 - 6.71 =

Answer: ___

(1)

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33 A bag weighs 6.9 kg. How many kg are there in 5 bags?

Answer: ___ kg

(2)

---

34 Order these decimals from smallest to largest: 0.405, 0.45, 0.400, 0.395.

(2)

---

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

1.637, 0.868, 0.737, 1.635

Answer: ___

(1)

---

36 Round 88.123 to the nearest whole number.

Answer: ___

(1)

---

37 How many hundredths are in 0.56?

Answer: ___

(1)

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Mark scheme · 4.8 Decimals and Percentages (Year 5): 1-hour Pack

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

Question 1

1.360, 1.083, 0.893, 0.876 cao — **B1**

Answer: **1.360, 1.083, 0.893, 0.876**

Question 2

4% cao — **B1**

Answer: **4%**

Question 3

converts to a fraction out of 100 — **M1**

10% cao — **A1**

Answer: **10%**

Question 4

reduction found — **M1**

£20 cao — **A1**

Answer: **£20**

Question 5

converts to a common form — **M1**

3/10, 1/2, 75% cao — **A1**

Answer: **3/10, 1/2, 75%**

Question 6

converts to a common form — **M1**

20%, 0.25, 1/2 cao — **A1**

Answer: **20%, 0.25, 1/2**

Question 7

5.6 m cao — **B1**

Answer: **5.6 m**

Question 8

24.85 cao — **B1**

Answer: **24.85**

Question 9

989.7 cao — **B1**

Answer: **989.7**

Question 10

95.5 cao — **B1**

Answer: **95.5**

Question 11

addition of pounds and pence — **M1**

£12.90 cao — **A1**

Answer: **£12.90**

Question 12

0.8 cao — **B1**

Answer: **0.8**

Question 13

21 kg cao — **B1**

Answer: **21 kg**

Question 14

78 cao — **B1**

Answer: **78**

Question 15

1.156, 0.835, 0.756, 0.546 cao — **B1**

Answer: **1.156, 0.835, 0.756, 0.546**

Question 16

reduction found — **M1**

£14 cao — **A1**

Answer: **£14**

Question 17

12.5% of 240 seen or 1/8 of 240 — **M1**

30 cao — **B1**

Answer: **30**

Question 18

converts to a common form — **M1**

0.25, 3/10, 3/4 cao — **A1**

Answer: **0.25, 3/10, 3/4**

Question 19

20%, 40%, 50% cao — **B1**

Answer: **20%, 40%, 50%**

Question 20

20% cao — **B1**

Answer: **20%**

Question 21

2.823 cao — **B1**

Answer: **2.823**

Question 22

0.06 cao — **B1**

Answer: **0.06**

Question 23

0.09 cao — **B1**

Answer: **0.09**

Question 24

0.334, 0.379, 0.872, 1.238 cao — **B1**

Answer: **0.334, 0.379, 0.872, 1.238**

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Question 25

41.06 cao — **B1**

Answer: **41.06**

Question 26

46.5 cao — **B1**

Answer: **46.5**

Question 27

10.08 cao — **B1**

Answer: **10.08**

Question 28

1/5, 25%, 0.3 cao — **B1**

Answer: **1/5, 25%, 0.3**

Question 29

1.605, 1.475, 1.289, 1.126 cao — **B1**

Answer: **1.605, 1.475, 1.289, 1.126**

Question 30

4.635 cao — **B1**

Answer: **4.635**

Question 31

0.890, 1.000, 1.249, 1.330 cao — **B1**

Answer: **0.890, 1.000, 1.249, 1.330**

Question 32

22.69 cao — **B1**

Answer: **22.69**

Question 33

multiplication seen — **M1**

34.5 kg cao — **A1**

Answer: **34.5 kg**

Question 34

At least 3 of the 4 numbers placed in correct relative order or clear method shown for comparison — **M1**

0.395, 0.400, 0.405, 0.45 cao — **B1**

Answer: **0.395, 0.400, 0.405, 0.45**

Question 35

0.737, 0.868, 1.635, 1.637 cao — **B1**

Answer: **0.737, 0.868, 1.635, 1.637**

Question 36

88 cao — **B1**

Answer: **88**

Question 37

56 cao — **B1**

Answer: **56**

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