4.2 Decimals and Percentages: 1-hour Pack

NCETM KS2 National Curriculum Mathematics - NCETM Teaching for Mastery Framework · Calculators not allowed · about 60 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 47.1 x 8 =

Answer: ___

(1)

---

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

1.94, 1.63, 1.52, 1.71

Answer: ___

(1)

---

3 What decimal is made from 5 ones, 6 tenths, 4 hundredths and 2 thousandths?

Answer: ___

(1)

---

4 83.99 + 8.37 =

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

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

1.466, 1.463, 1.582, 1.510

Answer: ___

(1)

---

6 88.0 x 6 =

Answer: ___

(1)

---

7 1,247 divided by 10 =

Answer: ___

(1)

---

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

0.996, 0.173, 0.778, 0.928

Answer: ___

(1)

---

9 9.6 kg of flour is shared equally between 4 bags. Work out how much flour is in each bag.

(2)

© Revision Library | revisionlibrary.co.uk

10 Ben pays a deposit of 75% on a book that costs £85. The rest is paid later.

How much is paid later?

Answer: £___

(3)

---

11 Write 3/5 as a percentage.

Answer: ___ %

(2)

---

12 A sticker costs £5.47 and a juice costs £19.50. Noah pays with a £25 note.

How much change does Noah get?

Answer: £___

(2)

---

13 14.3 x 9 =

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

14 6.9 x 0.9 =

Answer: ___

(1)

---

15 What is the value of the digit 1 in 3.291?

Answer: ___

(1)

---

16 172.5 divided by 5 =

Answer: ___

(1)

---

17 A plank of wood is 3.6 m long. Tom cuts off a piece measuring 0.85 m. Calculate how much wood is left.

(2)

---

18 Write 0.125 as a fraction in its simplest form.

Answer: ___

(2)

© Revision Library | revisionlibrary.co.uk

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

1.99, 1.98, 1.78, 1.86

Answer: ___

(1)

---

20 A bun costs £12.22 and a lolly costs £10.24.

What is the total cost of the two items?

Answer: £___

(1)

---

21 1.3 x 0.9 =

Answer: ___

(1)

---

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

1.257, 1.650, 1.318, 1.508

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

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

1.147, 0.773, 1.527, 0.936

Answer: ___

(1)

---

24 21.81 - 1.16 =

Answer: ___

(1)

---

25 Write 3/10 as a percentage.

Answer: ___ %

(1)

---

26 Last year 350 children attended the school fair. This year attendance increased by 20%. Calculate how many children attended this year.

(3)

---

27 63.95 + 0.13 =

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

28 Work out 75% of £140.

Answer: ___

(2)

---

29 353 divided by 1,000 =

Answer: ___

(1)

---

30 Round 40,900 to the nearest thousand.

Answer: ___

(1)

---

31 Write 0.9 as a fraction in its simplest form.

Answer: ___

(2)

© Revision Library | revisionlibrary.co.uk

32 In a sale, a ruler set costs £40. The price is reduced by 30%.

What is the sale price?

Answer: £___

(3)

---

33 Write these in order, smallest first.

0.6, 0.2, 0.25

Answer: ___

(2)

© Revision Library | revisionlibrary.co.uk

Mark scheme · 4.2 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

376.8 cao — **B1**

Answer: **376.8**

Question 2

1.52, 1.63, 1.71, 1.94 cao — **B1**

Answer: **1.52, 1.63, 1.71, 1.94**

Question 3

5.642 cao — **B1**

Answer: **5.642**

Question 4

92.36 cao — **B1**

Answer: **92.36**

Question 5

1.463, 1.466, 1.510, 1.582 cao — **B1**

Answer: **1.463, 1.466, 1.510, 1.582**

Question 6

528 cao — **B1**

Answer: **528**

Question 7

124.7 cao — **B1**

Answer: **124.7**

Question 8

0.173, 0.778, 0.928, 0.996 cao — **B1**

Answer: **0.173, 0.778, 0.928, 0.996**

Question 9

sets up 9.6 / 4 oe — **M1**

2.4 kg cao — **A1**

Answer: **2.4 kg**

Question 10

deposit found — **M1**

subtraction — **M1**

£21.25 cao — **A1**

Answer: **£21.25**

Question 11

method seen — **M1**

60% cao — **A1**

Answer: **60%**

Question 12

24.97 seen — **M1**

£0.03 cao — **A1**

Answer: **£0.03**

Question 13

128.7 cao — **B1**

Answer: **128.7**

Question 14

6.21 cao — **B1**

Answer: **6.21**

Question 15

0.001 cao — **B1**

Answer: **0.001**

Question 16

34.5 cao — **B1**

Answer: **34.5**

Question 17

aligns decimal points, e.g. writes 3.60 - 0.85 oe — **M1**

2.75 m cao — **A1**

Answer: **2.75 m**

Question 18

method seen — **M1**

1/8 cao — **A1**

Answer: **1/8**

Question 19

1.78, 1.86, 1.98, 1.99 cao — **B1**

Answer: **1.78, 1.86, 1.98, 1.99**

Question 20

£22.46 cao — **B1**

Answer: **£22.46**

Question 21

1.17 cao — **B1**

Answer: **1.17**

Question 22

1.650, 1.508, 1.318, 1.257 cao — **B1**

Answer: **1.650, 1.508, 1.318, 1.257**

Question 23

0.773, 0.936, 1.147, 1.527 cao — **B1**

Answer: **0.773, 0.936, 1.147, 1.527**

Question 24

20.65 cao — **B1**

Answer: **20.65**

© Revision Library | revisionlibrary.co.uk

Question 25

30% cao	B1

Answer: **30%**

Question 26

20% of 350 = 70 oe	M1
350 + 70, ft from a correct 20%	M1
420 cao	A1

Answer: **420**

Question 27

64.08 cao	B1

Answer: **64.08**

Question 28

10% or 1% found	M1
£105 cao	A1

Answer: **£105**

Question 29

0.353 cao	B1

Answer: **0.353**

Question 30

41,000 cao	B1

Answer: **41,000**

Question 31

method seen	M1
9/10 cao	A1

Answer: **9/10**

Question 32

reduction found	M1
subtracts from the original price	M1
£28 cao	A1

Answer: **£28**

Question 33

converts to a common form	M1
0.2, 0.25, 0.6 cao	A1

Answer: **0.2, 0.25, 0.6**

© Revision Library | revisionlibrary.co.uk