3.5 Multiplying and Dividing by 10, 100 and 1000: Test Pack

Calculators not allowed · about 60 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Write the number 46 multiplied by 10.

(1)

2 483.5 divided by 1,000 =

Answer: ___

(1)

3 36 x ___ = 3600

Answer: ___

(1)

4 Complete the missing number: 0.83 times 1000 = ___.

(2)

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5 What is 100 less than 7,867?

Answer: ___

(1)

---

6 38 x 94 =

Answer: ___

(1)

---

7 308.9 divided by 1,000 =

Answer: ___

(1)

---

8 8,802 divided by 1,000 =

Answer: ___

(1)

---

9 27 x 68 =

Answer: ___

(1)

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10 444.3 x 10 =

Answer: ___

(1)

---

11 29 divided by ___ = 0.029

Answer: ___

(1)

---

12 85.87 divided by 10 =

Answer: ___

(1)

---

13 Write 12,345 multiplied by 10, then divide your answer by 100. What is the final result?

(1)

---

14 66 x 22 =

Answer: ___

(1)

---

15 Convert 4 m to mm.

Answer: ___ mm

(1)

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16 16 x 96 =

Answer: ___

(1)

---

17 What is 10 less than 1,833?

Answer: ___

(1)

---

18 Books cost £8.87 each. Ethan buys 3 and pays with £40.

How much change does Ethan get?

Answer: £___

(2)

---

19 288 x 100 =

Answer: ___

(1)

---

20 315 divided by 1,000 =

Answer: ___

(1)

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21 Answer each question.

(a) What is one tenth of 450? **(1)**

(b) What is one hundredth of 450? **(1)**

22 Imran divides 63 by 100. What is the value of the digit 3 in his answer?

(1)

23 Aled saves 10p coins in a jar. He has saved £7.30 altogether. How many 10p coins are in the jar?

(1)

24 Callum says: 'To multiply a number by 10, you just add a zero to the end. So 4.5 times 10 = 4.50.' Explain why Callum is wrong. What is 4.5 times 10?

(2)

25 Convert 5.15 m to cm.

Answer: ___ cm

(1)

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26 549 divided by 100 =

Answer: ___

(1)

---

27 969 divided by 10 =

Answer: ___

(1)

---

28 401.9 x 10 =

Answer: ___

(1)

---

29 A recipe needs 0.25 litres of milk. How much milk is needed for 100 recipes?

(2)

---

30 What is 10 less than 9,874?

Answer: ___

(1)

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31 15 x 33 =

Answer: ___

(1)

---

32 Convert 12 m to cm.

Answer: ___ cm

(1)

---

33 323 x 100 =

Answer: ___

(1)

---

34 21.17 divided by 10 =

Answer: ___

(1)

---

35 What is 10 less than 1,102?

Answer: ___

(1)

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36 What is 10 more than 4,761?

Answer: ___

(1)

---

37 Convert 0.41 litres to ml.

Answer: ___ ml

(1)

---

38 Maya has 3.75 kg of flour. She uses 100 times this amount for a big bake. How much flour does she use in kg?

(2)

---

39 What is 100 less than 8,326?

Answer: ___

(1)

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Mark scheme · 3.5 Multiplying and Dividing by 10, 100 and 1000: Test Pack

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

Question 1

460 cao — **B1**

Answer: **460**

Question 2

0.4835 cao — **B1**

Answer: **0.4835**

Question 3

100 cao — **B1**

Answer: **100**

Question 4

shift decimal right 3 places or show multiplication — **M1**

830 cao — **A1**

Answer: **830**

Question 5

7,767 cao — **B1**

Answer: **7,767**

Question 6

3572 cao — **B1**

Answer: **3572**

Question 7

0.3089 cao — **B1**

Answer: **0.3089**

Question 8

8.802 cao — **B1**

Answer: **8.802**

Question 9

1836 cao — **B1**

Answer: **1836**

Question 10

4,443 cao — **B1**

Answer: **4,443**

Question 11

1,000 cao — **B1**

Answer: **1,000**

Question 12

8.587 cao — **B1**

Answer: **8.587**

Question 13

1,234.5 cao — **B1**

Answer: **1,234.5**

Question 14

1452 cao — **B1**

Answer: **1452**

Question 15

4,000 mm cao — **B1**

Answer: **4,000 mm**

Question 16

1536 cao — **B1**

Answer: **1536**

Question 17

1,823 cao — **B1**

Answer: **1,823**

Question 18

8.87 x 3 = 26.61 seen — **M1**

£13.39 cao — **A1**

Answer: **£13.39**

Question 19

28,800 cao — **B1**

Answer: **28,800**

Question 20

0.315 cao — **B1**

Answer: **0.315**

Question 21

(a) 45 cao — **B1**

(a) Answer: **45**

(b) 4.5 cao (accept 4.50) — **B1**

(b) Answer: **4.5**

Question 22

0.03 cao (accept 3 hundredths or 3/100) — **B1**

Answer: **0.03**

Question 23

73 cao — **B1**

Answer: **73**

Question 24

explains that 4.50 is the same as 4.5, so the number has not got 10 times bigger (oe), or that the digits should move one place to the left — **B1**

45 cao — **B1**

Answer: **45**

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Question 25

515 cm cao **B1**

Answer: **515 cm**

Question 26

5.49 cao **B1**

Answer: **5.49**

Question 27

96.9 cao **B1**

Answer: **96.9**

Question 28

4,019 cao **B1**

Answer: **4,019**

Question 29

multiply 0.25 by 100 or recognise shift of decimal seen **M1**

25 litres cao **A1**

Answer: **25**

Question 30

9,864 cao **B1**

Answer: **9,864**

Question 31

495 cao **B1**

Answer: **495**

Question 32

1,200 cm cao **B1**

Answer: **1,200 cm**

Question 33

32,300 cao **B1**

Answer: **32,300**

Question 34

2.117 cao **B1**

Answer: **2.117**

Question 35

1,092 cao **B1**

Answer: **1,092**

Question 36

4,771 cao **B1**

Answer: **4,771**

Question 37

410 ml cao **B1**

Answer: **410 ml**

Question 38

recognise multiply by 100 or shift decimal by 2 places **M1**

375 kg cao **A1**

Answer: **375**

Question 39

8,226 cao **B1**

Answer: **8,226**

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