3.5 Multiplying and Dividing by 10, 100 and 1000: 1-hour Pack

Total Marks

Calculators not allowed · about 60 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 3.17 divided by 100 =

Answer: ___

(1)

2 59 x 100 =

Answer: ___

(1)

3 Write £2.79 in pence.

Answer: ___ p

(1)

4 What is 10 more than 5,575?

Answer: ___

(1)

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5 38.54 divided by 10 =

Answer: ___

(1)

---

6 Convert 7.09 m to cm.

Answer: ___ cm

(1)

---

7 Convert 86.8 kg to g.

Answer: ___ g

(1)

---

8 Convert 250 mm to cm.

Answer: ___ cm

(1)

---

9 817.3 divided by 100 =

Answer: ___

(1)

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10 602 divided by 1,000 =

Answer: ___

(1)

---

11 434.1 divided by 10 =

Answer: ___

(1)

---

12 A school bought 0.9 kg of clay for each classroom. There are 100 classrooms. Explain in words how you would work out the total mass of clay and give the answer.

(2)

---

13 What is 100 less than 4,112?

Answer: ___

(1)

---

14 48 x ___ = 480

Answer: ___

(1)

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15 984 x 1,000 =

Answer: ___

(1)

---

16 20 x 66 =

Answer: ___

(1)

---

17 Plants cost £8.04 each. Ella buys 10.

How much does Ella pay?

Answer: £___

(1)

---

18 9,824 x 1,000 =

Answer: ___

(1)

---

19 816.5 divided by 10 =

Answer: ___

(1)

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20 28 x ___ = 2800

Answer: ___

(1)

---

21 578.7 x 100 =

Answer: ___

(1)

---

22 746 divided by 1,000 =

Answer: ___

(1)

---

23 Write £7.02 in pence.

Answer: ___ p

(1)

---

24 33 x 44 =

Answer: ___

(1)

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25 275 x 1,000 =

Answer: ___

(1)

---

26 325.3 x 10 =

Answer: ___

(1)

---

27 A sticker costs £0.06. How much do 1,000 stickers cost?

(2)

---

28 Convert 816 cm to m.

Answer: ___ m

(1)

---

29 What is 100 more than 8,911?

Answer: ___

(1)

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30 3,497 divided by 10 =

Answer: ___

(1)

---

31 Books cost £6.32 each. Poppy buys 4 and pays with £40.

How much change does Poppy get?

Answer: £___

(2)

---

32 Tickets cost £4.72 each. Jack buys 10.

How much does Jack pay?

Answer: £___

(2)

---

33 358 x 1,000 =

Answer: ___

(1)

---

34 17 x 83 =

Answer: ___

(1)

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35 11 divided by ___ = 1.1

Answer: ___

(1)

---

36 A medicine bottle contains 0.087 litres of liquid. How many millilitres is this? (1 litre = 1000 ml)

(2)

---

37 Convert 13 km to m.

Answer: ___ m

(1)

---

38 11 divided by ___ = 0.11

Answer: ___

(1)

---

39 958.9 x 1,000 =

Answer: ___

(1)

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40 Write the missing number in each calculation.

(a) ___ times 10 = 830 **(1)**

(b) 4,500 divided by ___ = 45 **(1)**

---

41 94 x 25 =

Answer: ___

(1)

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Mark scheme · 3.5 Multiplying and Dividing by 10, 100 and 1000: 1-hour Pack

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

Question 1

0.0317 cao — **B1**

Answer: **0.0317**

Question 2

5,900 cao — **B1**

Answer: **5,900**

Question 3

279p cao — **B1**

Answer: **279p**

Question 4

5,585 cao — **B1**

Answer: **5,585**

Question 5

3.854 cao — **B1**

Answer: **3.854**

Question 6

709 cm cao — **B1**

Answer: **709 cm**

Question 7

86,800 g cao — **B1**

Answer: **86,800 g**

Question 8

25 cm cao — **B1**

Answer: **25 cm**

Question 9

8.173 cao — **B1**

Answer: **8.173**

Question 10

0.602 cao — **B1**

Answer: **0.602**

Question 11

43.41 cao — **B1**

Answer: **43.41**

Question 12

method explained (multiply 0.9 by 100 or shift decimal two places) or correct intermediate — **M1**

90 kg cao — **A1**

Answer: **90**

Question 13

4,012 cao — **B1**

Answer: **4,012**

Question 14

10 cao — **B1**

Answer: **10**

Question 15

984,000 cao — **B1**

Answer: **984,000**

Question 16

1320 cao — **B1**

Answer: **1320**

Question 17

£80.40 cao — **B1**

Answer: **£80.40**

Question 18

9,824,000 cao — **B1**

Answer: **9,824,000**

Question 19

81.65 cao — **B1**

Answer: **81.65**

Question 20

100 cao — **B1**

Answer: **100**

Question 21

57,870 cao — **B1**

Answer: **57,870**

Question 22

0.746 cao — **B1**

Answer: **0.746**

Question 23

702p cao — **B1**

Answer: **702p**

Question 24

1452 cao — **B1**

Answer: **1452**

Question 25

275,000 cao — **B1**

Answer: **275,000**

Question 26

3,253 cao — **B1**

Answer: **3,253**

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Question 27

multiply 0.06 by 1000 or shift decimal right 3 places **M1**

£60 cao **A1**

Answer: **60**

Question 28

8.16 m cao **B1**

Answer: **8.16 m**

Question 29

9,011 cao **B1**

Answer: **9,011**

Question 30

349.7 cao **B1**

Answer: **349.7**

Question 31

6.32 x 4 = 25.28 seen **M1**

£14.72 cao **A1**

Answer: **£14.72**

Question 32

4.72 x 10 method seen **M1**

£47.20 cao **A1**

Answer: **£47.20**

Question 33

358,000 cao **B1**

Answer: **358,000**

Question 34

1411 cao **B1**

Answer: **1411**

Question 35

10 cao **B1**

Answer: **10**

Question 36

multiply 0.087 by 1000 or shift decimal right 3 places **M1**

87 ml cao **A1**

Answer: **87**

Question 37

13,000 m cao **B1**

Answer: **13,000 m**

Question 38

100 cao **B1**

Answer: **100**

Question 39

958,900 cao **B1**

Answer: **958,900**

Question 40

(a) 83 cao **B1**

(a) Answer: **83**

(b) 100 cao **B1**

(b) Answer: **100**

Question 41

2350 cao **B1**

Answer: **2350**

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