3.5 Multiplying and Dividing by 10, 100 and 1000: 30-minute Pack

Total Marks

Calculators not allowed · about 30 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Convert 9,500 mm to m.

Answer: ___ m

(1)

---

2 84 divided by ___ = 8.4

Answer: ___

(1)

---

3 39 divided by ___ = 0.039

Answer: ___

(1)

---

4 561 x 1,000 =

Answer: ___

(1)

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5 54.26 divided by 10 =

Answer: ___

(1)

---

6 97.75 divided by 100 =

Answer: ___

(1)

---

7 52 divided by ___ = 0.052

Answer: ___

(1)

---

8 Convert 5,300 m to km.

Answer: ___ km

(1)

---

9 Write £8.11 in pence.

Answer: ___ p

(1)

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10 970 x 100 =

Answer: ___

(1)

---

11 A model car is 0.032 m long. What is its length in millimetres? (1 m = 1000 mm)

(1)

---

12 1,981 divided by 10 =

Answer: ___

(1)

---

13 What is 10 less than 1,805?

Answer: ___

(1)

---

14 68.63 x 10 =

Answer: ___

(1)

---

15 68 divided by ___ = 6.8

Answer: ___

(1)

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16 Explain why multiplying a number by 100 moves each digit two places to the left on a place value chart. Use the number 4.6 as an example.

(2)

17 Plants cost £2.59 each. Ethan buys 3.

How much does Ethan pay?

Answer: £___

(1)

18 24 x 45 =

Answer: ___

(1)

19 61 x 85 =

Answer: ___

(1)

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20 Toys cost £4.62 each. Grace buys 12 and pays with £60.

How much change does Grace get?

Answer: £___

(2)

---

21 Write the next two numbers in each sequence.

(a) 0.03, 0.3, 3, ___, ___ **(1)**

(b) 80,000, 8,000, 800, ___, ___ **(1)**

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Mark scheme · 3.5 Multiplying and Dividing by 10, 100 and 1000: 30-minute Pack

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

Question 1

9.5 m cao — **B1**

Answer: **9.5 m**

Question 2

10 cao — **B1**

Answer: **10**

Question 3

1,000 cao — **B1**

Answer: **1,000**

Question 4

561,000 cao — **B1**

Answer: **561,000**

Question 5

5.426 cao — **B1**

Answer: **5.426**

Question 6

0.9775 cao — **B1**

Answer: **0.9775**

Question 7

1,000 cao — **B1**

Answer: **1,000**

Question 8

5.3 km cao — **B1**

Answer: **5.3 km**

Question 9

811p cao — **B1**

Answer: **811p**

Question 10

97,000 cao — **B1**

Answer: **97,000**

Question 11

32 mm cao — **B1**

Answer: **32**

Question 12

198.1 cao — **B1**

Answer: **198.1**

Question 13

1,795 cao — **B1**

Answer: **1,795**

Question 14

686.3 cao — **B1**

Answer: **686.3**

Question 15

10 cao — **B1**

Answer: **10**

Question 16

reference to place value columns shifting or explanation that each 10 multiplies one place — **M1**

example: 4.6 x 100 = 460 and digits move two places left cao — **A1**

Answer: **4.6 x 100 = 460**

Question 17

£7.77 cao — **B1**

Answer: **£7.77**

Question 18

1080 cao — **B1**

Answer: **1080**

Question 19

5185 cao — **B1**

Answer: **5185**

Question 20

4.62 x 12 = 55.44 seen — **M1**

£4.56 cao — **A1**

Answer: **£4.56**

Question 21

(a) 30 and 300 (both numbers needed) — **B1**

(a) Answer: **30, 300**

(b) 80 and 8 (both numbers needed) — **B1**

(b) Answer: **80, 8**

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