3.2 Written Methods: Multiplication and Division: 1-hour Pack

NCETM KS2 National Curriculum Mathematics - NCETM Calculation Policy and Written Methods Progression · Calculators not allowed · about 60 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Work out 3,240 divided by 27.

Use a formal written method.

Answer: ___

(2)

---

2 Each taxi has 19 seats. There are 88 people to carry.

What is the smallest number of taxis needed?

Answer: ___

(2)

---

3 10534 divided by 46 =

Answer: ___

(2)

© Revision Library | revisionlibrary.co.uk

4 Tom knows that 26 x 51 = 1,326.

Use this to work out 1,326 divided by 51.

Answer: ___

(1)

---

5 Work out 6,494 divided by 8.

Give your answer as a decimal.

Answer: ___

(2)

---

6 3915 divided by 9 =

Answer: ___

(1)

---

7 32.0 x 9 =

Answer: ___

(1)

---

8 Each lap is 7.1 km. Uma runs 6 laps. How far does Uma run?

Answer: ___ km

(2)

© Revision Library | revisionlibrary.co.uk

9 Gift bags cost £8.11 each. Jade buys 12.

How much does Jade pay?

Answer: £___

(2)

---

10 Work out 2,370 divided by 4.

Give your answer as a whole number and a remainder.

Answer: ___

(1)

---

11 472 divided by 8 =

Answer: ___

(1)

---

12 875 seats are being set out for a concert, split equally between 35 rows. Use the formal written method for long division to calculate how many seats are in each row.

(2)

© Revision Library | revisionlibrary.co.uk

13 Toys cost £13.72 each. Victor buys 4 and pays with £60.

How much change does Victor get?

Answer: £___

(2)

---

14 Each taxi has 22 seats. There are 305 people to carry.

What is the smallest number of taxis needed?

Answer: ___

(2)

---

15 Work out 1,422 divided by 4.

Give your answer as a decimal.

Answer: ___

(2)

---

16 Victor knows that 74 x 48 = 3,552.

Use this to work out 3,552 divided by 48.

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

17 302 x 7 =

Answer: ___

(1)

---

18 Books cost £7.60 each. Chloe buys 3.

How much does Chloe pay?

Answer: £___

(2)

---

19 Work out 11,939 divided by 30.

Use a formal written method. Give your answer as a whole number and a remainder.

Answer: ___

(2)

---

20 Work out 3,143 divided by 9.

Give your answer as a whole number and a remainder.

Answer: ___

(2)

© Revision Library | revisionlibrary.co.uk

21 71 x 2 =

Answer: ___

(1)

---

22 Each box has 43 spaces. There are 313 eggs to carry.

What is the smallest number of boxes needed?

Answer: ___

(2)

---

23 9336 divided by 24 =

Answer: ___

(2)

---

24 Work out 13 x 92.

Use a formal written method.

Answer: ___

(2)

© Revision Library | revisionlibrary.co.uk

25 Notebooks cost £11.43 each. Uma buys 7 and pays with £100.

How much change does Uma get?

Answer: £___

(2)

---

26 Callum has 4,609 marbles. Callum puts 4,045 aside and shares the rest equally between 4 friends.

How many marbles does each friend get?

Answer: ___

(2)

---

27 Work out 4,830 divided by 14.

Use a formal written method.

Answer: ___

(2)

---

28 72.2 x 3 =

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

Mark scheme · 3.2 Written Methods: Multiplication and Division: 1-hour Pack

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

Question 1

a correct method of long division with not more than one error	M1
120 cao	A1

Answer: **120**

Question 2

88 / 19 = 4 remainder 12 seen	M1
5 cao	A1

Answer: **5**

Question 3

uses a formal method of division with not more than one arithmetic error	M1
229 cao	A1

Answer: **229**

Question 4

26 cao	B1

Answer: **26**

Question 5

short division method seen	M1
811.75 cao	A1

Answer: **811.75**

Question 6

435 cao	B1

Answer: **435**

Question 7

288 cao	B1

Answer: **288**

Question 8

multiplication seen	M1
42.6 km cao	A1

Answer: **42.6 km**

Question 9

8.11 x 12 method seen	M1
£97.32 cao	A1

Answer: **£97.32**

Question 10

592 remainder 2 cao	B1

Answer: **592 remainder 2**

Question 11

59 cao	B1

Answer: **59**

Question 12

correct division working shown, e.g. 35 x 20 = 700 then 35 x 5 = 175 oe	M1
25 (seats) cao	A1

Answer: **25 seats**

Question 13

13.72 x 4 = 54.88 seen	M1
£5.12 cao	A1

Answer: **£5.12**

Question 14

305 / 22 = 13 remainder 19 seen	M1
14 cao	A1

Answer: **14**

Question 15

short division method seen	M1
355.5 cao	A1

Answer: **355.5**

Question 16

74 cao	B1

Answer: **74**

Question 17

2114 cao	B1

Answer: **2114**

Question 18

7.60 x 3 method seen	M1
£22.80 cao	A1

Answer: **£22.80**

Question 19

a correct method of long division with not more than one error	M1
397 remainder 29 cao	A1

Answer: **397 remainder 29**

Question 20

short division method seen	M1
349 remainder 2 cao	A1

Answer: **349 remainder 2**

Question 21

142 cao	B1

Answer: **142**

© Revision Library | revisionlibrary.co.uk

Question 22

313 / 43 = 7 remainder 12 seen	M1
8 cao	A1

Answer: **8**

Question 23

uses a formal method of division with not more than one arithmetic error	M1
389 cao	A1

Answer: **389**

Question 24

a formal method with partial products and not more than one arithmetic error	M1
1,196 cao	A1

Answer: **1,196**

Question 25

11.43 x 7 = 80.01 seen	M1
£19.99 cao	A1

Answer: **£19.99**

Question 26

564 seen	M1
141 cao	A1

Answer: **141**

Question 27

a correct method of long division with not more than one error	M1
345 cao	A1

Answer: **345**

Question 28

216.6 cao	B1

Answer: **216.6**

© Revision Library | revisionlibrary.co.uk