3.2 Written Methods: Multiplication and Division: 2-hour Pack

NCETM KS2 National Curriculum Mathematics - NCETM Calculation Policy and Written Methods Progression · Calculators not allowed · about 120 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 541 x 71 =

Answer: ___

(2)

2 131 x 41 =

Answer: ___

(2)

3 Tickets cost £2.55 each. Olu buys 7 and pays with £20.

How much change does Olu get?

Answer: £___

(2)

© Revision Library | revisionlibrary.co.uk

4 Layla knows that 88 x 43 = 3,784.

Use this to work out 88 x 430.

Answer: ___

(1)

---

5 Work out 84 x 66.

Use a formal written method.

Answer: ___

(2)

---

6 Ivan has 833 stickers. Ivan is given 4,514 more and then gives away 1,135.

How many stickers does Ivan have now?

Answer: ___

(2)

---

7 5736 divided by 8 =

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

8 Each coach has 35 seats. There are 371 pupils to carry.

What is the smallest number of coaches needed?

Answer: ___

(2)

---

9 Dev has 4,603 stickers. Dev puts 3,550 aside and shares the rest equally between 3 friends.

How many stickers does each friend get?

Answer: ___

(2)

---

10 110 x 6 =

Answer: ___

(1)

---

11 Olu knows that 65 x 77 = 5,005.

Use this to work out 5,005 divided by 77.

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

12 Each coach has 39 seats. There are 184 pupils to carry.

What is the smallest number of coaches needed?

Answer: ___

(2)

---

13 Each lap is 8.2 km. Kofi runs 3 laps. How far does Kofi run?

Answer: ___ km

(2)

---

14 Work out 481 x 67.

Use a formal written method.

Answer: ___

(2)

---

15 3636 divided by 9 =

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

16 33884 divided by 43 =

Answer: ___

(2)

---

17 Each lap is 7.9 km. Reece runs 4 laps. How far does Reece run?

Answer: ___ km

(2)

---

18 Work out 8,369 x 10.

Use a formal written method.

Answer: ___

(2)

---

19 Work out 957 divided by 33.

Use a formal written method.

Answer: ___

(2)

© Revision Library | revisionlibrary.co.uk

20 Work out 6,098 divided by 7.

Give your answer as a whole number and a remainder.

Answer: ___

(2)

---

21 Mia knows that 51 x 55 = 2,805.

Use this to work out 51 x 550.

Answer: ___

(1)

---

22 Each minibus has 32 seats. There are 345 children to carry.

What is the smallest number of minibuses needed?

Answer: ___

(2)

---

23 Each minibus has 20 seats. There are 382 children to carry.

What is the smallest number of minibuses needed?

Answer: ___

(2)

© Revision Library | revisionlibrary.co.uk

24 Work out 1,623 divided by 6.

Give your answer as a mixed number in its simplest form.

Answer: ___

(2)

---

25 Poppy knows that 90 x 78 = 7,020.

Use this to work out 90 x 780.

Answer: ___

(1)

---

26 Work out 74 x 45.

Use a formal written method.

Answer: ___

(2)

---

27 923 x 65 =

Answer: ___

(2)

© Revision Library | revisionlibrary.co.uk

28 72.4 x 7 =

Answer: ___

(1)

---

29 Work out 8,884 divided by 34.

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

Answer: ___

(2)

---

30 Work out 373 x 66.

Use a formal written method.

Answer: ___

(2)

---

31 Each coach has 45 seats. There are 62 pupils to carry.

What is the smallest number of coaches needed?

Answer: ___

(2)

© Revision Library | revisionlibrary.co.uk

32 Ivan has 5,255 coins. Ivan puts 3,923 aside and shares the rest equally between 3 friends.

How many coins does each friend get?

Answer: ___

(2)

---

33 Tickets cost £2.36 each. Grace buys 11.

How much does Grace pay?

Answer: £___

(1)

---

34 Work out 87 x 43.

Use a formal written method.

Answer: ___

(2)

---

35 73.1 x 6 =

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

36 Each lap is 4.6 km. Yusuf runs 7 laps. How far does Yusuf run?

Answer: ___ km

(2)

---

37 Tom knows that 58 x 70 = 4,060.

Use this to work out 4,060 divided by 70.

Answer: ___

(1)

---

38 Work out 886 x 97.

Use a formal written method.

Answer: ___

(2)

---

39 273.5 divided by 5 =

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

40 Gift bags cost £2.03 each. Ben buys 3.

How much does Ben pay?

Answer: £___

(1)

---

41 Work out 4,228 divided by 6.

Give your answer as a mixed number in its simplest form.

Answer: ___

(2)

---

42 88 divided by 8 =

Answer: ___

(1)

---

43 Work out 5,770 divided by 25.

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

Answer: ___

(2)

© Revision Library | revisionlibrary.co.uk

44 Work out 9,231 x 34.

Use a formal written method.

Answer: ___

(2)

---

45 Work out 2,490 x 22.

Use a formal written method.

Answer: ___

(2)

---

46 A bottle holds 6.2 litres. How many litres are there in 3 bottles?

Answer: ___ litres

(2)

---

47 Each minibus has 37 seats. There are 228 children to carry.

What is the smallest number of minibuses needed?

Answer: ___

(2)

© Revision Library | revisionlibrary.co.uk

48 13040 divided by 20 =

Answer: ___

(2)

---

49 Work out 7,420 divided by 33.

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

Answer: ___

(2)

---

50 Ivan knows that 84 x 24 = 2,016.

Use this to work out 84 x 240.

Answer: ___

(1)

---

51 23.8 x 6 =

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

52 Gift bags cost £7.27 each. Amira buys 4 and pays with £40.

How much change does Amira get?

Answer: £___

(2)

---

53 1050 divided by 3 =

Answer: ___

(1)

---

54 248 divided by 2 =

Answer: ___

(1)

---

55 A bag weighs 5.2 kg. How many kg are there in 7 bags?

Answer: ___ kg

(2)

---

56 24552 divided by 33 =

Answer: ___

(2)

© Revision Library | revisionlibrary.co.uk

Mark scheme · 3.2 Written Methods: Multiplication and Division: 2-hour Pack

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

Question 1

uses a formal written method with not more than one arithmetic error — **M1**

38411 cao — **A1**

Answer: **38411**

Question 2

uses a formal written method with not more than one arithmetic error — **M1**

5371 cao — **A1**

Answer: **5371**

Question 3

2.55 x 7 = 17.85 seen — **M1**

£2.15 cao — **A1**

Answer: **£2.15**

Question 4

37,840 cao — **B1**

Answer: **37,840**

Question 5

a formal method with partial products and not more than one arithmetic error — **M1**

5,544 cao — **A1**

Answer: **5,544**

Question 6

5,347 seen — **M1**

4,212 cao — **A1**

Answer: **4,212**

Question 7

717 cao — **B1**

Answer: **717**

Question 8

371 / 35 = 10 remainder 21 seen — **M1**

11 cao — **A1**

Answer: **11**

Question 9

1,053 seen — **M1**

351 cao — **A1**

Answer: **351**

Question 10

660 cao — **B1**

Answer: **660**

Question 11

65 cao — **B1**

Answer: **65**

Question 12

184 / 39 = 4 remainder 28 seen — **M1**

5 cao — **A1**

Answer: **5**

Question 13

multiplication seen — **M1**

24.6 km cao — **A1**

Answer: **24.6 km**

Question 14

a formal method with partial products and not more than one arithmetic error — **M1**

32,227 cao — **A1**

Answer: **32,227**

Question 15

404 cao — **B1**

Answer: **404**

Question 16

uses a formal method of division with not more than one arithmetic error — **M1**

788 cao — **A1**

Answer: **788**

Question 17

multiplication seen — **M1**

31.6 km cao — **A1**

Answer: **31.6 km**

Question 18

a formal method with partial products and not more than one arithmetic error — **M1**

83,690 cao — **A1**

Answer: **83,690**

Question 19

a correct method of long division with not more than one error — **M1**

29 cao — **A1**

Answer: **29**

Question 20

short division method seen — **M1**

871 remainder 1 cao — **A1**

Answer: **871 remainder 1**

© Revision Library | revisionlibrary.co.uk

Question 21

28,050 cao — **B1**

Answer: **28,050**

Question 22

345 / 32 = 10 remainder 25 seen — **M1**

11 cao — **A1**

Answer: **11**

Question 23

382 / 20 = 19 remainder 2 seen — **M1**

20 cao — **A1**

Answer: **20**

Question 24

short division method seen — **M1**

270 1/2 cao — **A1**

Answer: **270 1/2**

Question 25

70,200 cao — **B1**

Answer: **70,200**

Question 26

a formal method with partial products and not more than one arithmetic error — **M1**

3,330 cao — **A1**

Answer: **3,330**

Question 27

uses a formal written method with not more than one arithmetic error — **M1**

59995 cao — **A1**

Answer: **59995**

Question 28

506.8 cao — **B1**

Answer: **506.8**

Question 29

a correct method of long division with not more than one error — **M1**

261 remainder 10 cao — **A1**

Answer: **261 remainder 10**

Question 30

a formal method with partial products and not more than one arithmetic error — **M1**

24,618 cao — **A1**

Answer: **24,618**

Question 31

62 / 45 = 1 remainder 17 seen — **M1**

2 cao — **A1**

Answer: **2**

Question 32

1,332 seen — **M1**

444 cao — **A1**

Answer: **444**

Question 33

£25.96 cao — **B1**

Answer: **£25.96**

Question 34

a formal method with partial products and not more than one arithmetic error — **M1**

3,741 cao — **A1**

Answer: **3,741**

Question 35

438.6 cao — **B1**

Answer: **438.6**

Question 36

multiplication seen — **M1**

32.2 km cao — **A1**

Answer: **32.2 km**

Question 37

58 cao — **B1**

Answer: **58**

Question 38

a formal method with partial products and not more than one arithmetic error — **M1**

85,942 cao — **A1**

Answer: **85,942**

Question 39

54.7 cao — **B1**

Answer: **54.7**

Question 40

£6.09 cao — **B1**

Answer: **£6.09**

Question 41

short division method seen — **M1**

704 2/3 cao — **A1**

Answer: **704 2/3**

Question 42

11 cao — **B1**

Answer: **11**

Question 43

a correct method of long division with not more than one error — **M1**

230 remainder 20 cao — **A1**

Answer: **230 remainder 20**

© Revision Library | revisionlibrary.co.uk

Question 44

a formal method with partial products and not more than one arithmetic error	M1
313,854 cao	A1

Answer: **313,854**

Question 45

a formal method with partial products and not more than one arithmetic error	M1
54,780 cao	A1

Answer: **54,780**

Question 46

multiplication seen	M1
18.6 litres cao	A1

Answer: **18.6 litres**

Question 47

228 / 37 = 6 remainder 6 seen	M1
7 cao	A1

Answer: **7**

Question 48

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

Answer: **652**

Question 49

a correct method of long division with not more than one error	M1
224 remainder 28 cao	A1

Answer: **224 remainder 28**

Question 50

20,160 cao	B1

Answer: **20,160**

Question 51

142.8 cao	B1

Answer: **142.8**

Question 52

7.27 x 4 = 29.08 seen	M1
£10.92 cao	A1

Answer: **£10.92**

Question 53

350 cao	B1

Answer: **350**

Question 54

124 cao	B1

Answer: **124**

Question 55

multiplication seen	M1
36.4 kg cao	A1

Answer: **36.4 kg**

Question 56

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

Answer: **744**

© Revision Library | revisionlibrary.co.uk