3.4 Multiplication and Division Facts to 12 x 12: Test Pack

Calculators not allowed · about 55 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 6 x 7 = ?

(1)

2 Plants cost £6.76 each. Hassan buys 7 and pays with £60.

How much change does Hassan get?

Answer: £___

(2)

3 There are 5 rows of chairs with 9 chairs in each row. How many chairs are there?

Answer: ___

(1)

4 Explain why 6 x 7 gives the same answer as 7 x 6.

(1)

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5 48 divided by 6 =

Answer: ___

(1)

---

6 There are 7 rows of chairs with 6 chairs in each row. How many chairs are there?

Answer: ___

(1)

---

7 8 x 9 =

Answer: ___

(1)

---

8 A box holds 3 packs. Each pack contains 12 pencils. How many pencils are there in the box?

(1)

---

9 66 divided by 2 =

Answer: ___

(1)

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10 Kofi knows that 48 x 40 = 1,920.

Use this to work out 1,920 divided by 40.

Answer: ___

(1)

---

11 Tickets cost £1.24 each. Lily buys 9.

How much does Lily pay?

Answer: £___

(2)

---

12 A farmer has 9 rows with 6 sheep in each row. First, how many sheep are there altogether? Then the farmer moves the sheep into pens with 3 sheep in each pen. How many pens does he need?

(a) How many sheep are there in total? **(1)**

.....

(b) How many pens are needed if each pen holds 3 sheep? **(1)**

.....

---

13 99 divided by 9 =

Answer: ___

(1)

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14 Books cost £5.05 each. Dev buys 8.

How much does Dev pay?

Answer: £___

(2)

---

15 Hassan knows that 53 x 35 = 1,855.

Use this to work out 1,855 divided by 35.

Answer: ___

(1)

---

16 52 divided by 4 =

Answer: ___

(1)

---

17 11 x 11 = ?

(1)

---

18 Work out both of these.

(a) 0 x 11 = ? **(1)**

(b) 12 ÷ 1 = ? **(1)**

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19 4 x 7 = 28, so 40 x 7 = ?

(1)

---

20 Product means the answer to a multiplication.

(1)

---

21 8 x ? = 56

(1)

---

22 9 x ? = 3 x 12

(1)

---

23 Write <, > or = in each box.

(a) 9 x 5 ___ 7 x 6 **(1)**

(b) 8 x 3 ___ 6 x 4 **(1)**

---

24 198 divided by 6 =

Answer: ___

(1)

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25 Write all the factors of 28.

Answer: ___

(1)

---

26 Ivan knows that 65 x 50 = 3,250.

Use this to work out 65 x 500.

Answer: ___

(1)

---

27 Isla knows that 41 x 29 = 1,189.

Use this to work out 41 x 290.

Answer: ___

(1)

---

28 Callum buys 4 packs of notebooks. Each pack has 9 notebooks. How many notebooks does Callum have?

Answer: ___

(1)

---

29 ___ x 6 = 42

Answer: ___

(1)

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30 Helen packs stickers into 6 rows with 8 stickers in each row. How many stickers does she pack?

(1)

---

31 Ivan knows that 68 x 14 = 952.

Use this to work out 952 divided by 14.

Answer: ___

(1)

---

32 Victor has 84 folders and puts 7 in each box. How many boxes are filled?

Answer: ___

(1)

---

33 Reece buys 10 packs of erasers. Each pack has 5 erasers. How many erasers does Reece have?

Answer: ___

(1)

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34 Victor knows that 35 x 80 = 2,800.

Use this to work out 2,800 divided by 80.

Answer: ___

(1)

---

35 Plants cost £4 each. Willow buys 4.

How much does Willow pay?

Answer: £___

(2)

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Mark scheme · 3.4 Multiplication and Division Facts to 12 x 12: Test Pack

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

Question 1

42 cao — **B1**

Answer: **42**

Question 2

6.76 x 7 = 47.32 seen — **M1**

£12.68 cao — **A1**

Answer: **£12.68**

Question 3

45 cao — **B1**

Answer: **45**

Question 4

Explanation that swapping number of groups and size of each group does not change the total, e.g. "6 groups of 7 is the same as 7 groups of 6 so both make 42" oe — **B1**

Answer: **Because 6 groups of 7 is the same as 7 groups of 6, both give 42.**

Question 5

8 cao — **B1**

Answer: **8**

Question 6

42 cao — **B1**

Answer: **42**

Question 7

72 cao — **B1**

Answer: **72**

Question 8

36 cao — **B1**

Answer: **36**

Question 9

33 cao — **B1**

Answer: **33**

Question 10

48 cao — **B1**

Answer: **48**

Question 11

1.24 x 9 method seen — **M1**

£11.16 cao — **A1**

Answer: **£11.16**

Question 12

(a) 54 cao — **B1**

(a) Answer: **54**

(b) 18 cao — **B1**

(b) Answer: **18**

Question 13

11 cao — **B1**

Answer: **11**

Question 14

5.05 x 8 method seen — **M1**

£40.40 cao — **A1**

Answer: **£40.40**

Question 15

53 cao — **B1**

Answer: **53**

Question 16

13 cao — **B1**

Answer: **13**

Question 17

121 cao — **B1**

Answer: **121**

Question 18

(a) 0 cao — **B1**

(a) Answer: **0**

(b) 12 cao — **B1**

(b) Answer: **12**

Question 19

280 cao — **B1**

Answer: **280**

Question 20

6 and 8 cao — **B1**

Answer: **6 and 8**

Question 21

7 cao — **B1**

Answer: **7**

Question 22

4 cao — **B1**

Answer: **4**

Question 23

(a) > cao — **B1**

(a) Answer: **>**

(b) = cao — **B1**

(b) Answer: **=**

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Question 24

33 cao **B1**

Answer: **33**

Question 25

1, 2, 4, 7, 14, 28 cao **B1**

Answer: **1, 2, 4, 7, 14, 28**

Question 26

32,500 cao **B1**

Answer: **32,500**

Question 27

11,890 cao **B1**

Answer: **11,890**

Question 28

36 cao **B1**

Answer: **36**

Question 29

7 cao **B1**

Answer: **7**

Question 30

48 cao **B1**

Answer: **48**

Question 31

68 cao **B1**

Answer: **68**

Question 32

12 cao **B1**

Answer: **12**

Question 33

50 cao **B1**

Answer: **50**

Question 34

35 cao **B1**

Answer: **35**

Question 35

4.00 x 4 method seen **M1**

£16 cao **A1**

Answer: **£16**

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