

11+ Maths Practice Paper

Year 5 · Intermediate

Lesson 1.8: Roman numerals

Read this with your child:

1. This paper has **24 questions** in two parts. Work through them in order. The questions get harder as you go.
2. **Part 1** is multiple choice. Choose **one** answer, A, B, C, D or E, and mark it on the separate answer sheet by drawing a firm line through the box next to its letter. If you change your mind, rub the line out completely and mark your new answer.
3. **Part 2** asks you to write your answer. Write it in the boxes on the answer sheet, **one digit in each box**, starting from the left.
4. If a question is hard, leave it and come back to it at the end.
5. You may use rough paper for working out. You may **not** use a calculator.
6. Suggested time: **30 minutes**.

The answer sheet is after the questions. The answers, with a short explanation of each, are at the back for a parent to mark with.

These are original practice questions written by Elite Learners in the style of 11+ entrance tests. They are not produced by, or connected with, GL Assessment or Cambridge University Press & Assessment (CEM).

Example

What number is XIV?

A 16

B 14

C 4

D 15

E 24

Answer: B X = 10 and IV = 4. $10 + 4 = 14$.

The answer, B, has already been marked on your answer sheet.

Now turn over and start Part 1.

Part 1: Multiple choice

1

Which symbol is worth 500?

A M

B C

C L

D D

E X

2

What number is LX?

A 40

B 60

C 110

D 50

E 70

3

Which symbol is worth 1000?

A D

B M

C C

D X

E L

4

What number is CCL?

A 150

B 350

C 250

D 210

E 300

5

How do you write 45 in Roman numerals?

A XLV

B VL

C XXXXV

D LV

E XVL

6

What number is XC?

A 90

B 110

C 80

D 100

E 60

7

What number is CD?

A 600

B 500

C 300

D 100

E 400

8

How do you write 76 in Roman numerals?

A LXXVI

B LXXIV

C LXVI

D LXXXVI

E VILXX

9

What number is CXL?

- A 160 B 90 C 140 D 240 E 110
-

10

How do you write 400 in Roman numerals?

- A CCCC B DC C CM D DCCCC E CD
-

11

What number is DCC?

- A 300 B 520 C 700 D 1200 E 600
-

12

How do you write 999 in Roman numerals?

- A IM B CMIC C XMIX D CMXCIX E CMXCVIII
-

13

Which of these is the biggest number?

- A CDXC B DX C CDXCIX D CCCXC E DIX
-

14

Which of these is written the correct Roman way?

- A IL B XXXXIX C VL D XLIX E XLVIII
-

15

A book has CCXLV pages.

How many pages does the book have?

- A 265 B 245 C 255 D 345 E 235
-

16

What number is CMXL?

- A 1160 B 960 C 840 D 1040 E 940
-

17

Which of these numbers needs the most symbols in Roman numerals?

- A 99 B 100 C 88 D 49 E 77

18

What is XL + XX in Roman numerals?

A LX

B XC

C XXL

D LXX

E LL

Part 2: Write your answer

19

Write CLX as an ordinary number.

Write your answer in the boxes on the answer sheet, one digit in each box.

20

Write DCCXL as an ordinary number.

Write your answer in the boxes on the answer sheet, one digit in each box.

21

Write CDLIV as an ordinary number.

Write your answer in the boxes on the answer sheet, one digit in each box.

22

Write CMLXXXVIII as an ordinary number.

Write your answer in the boxes on the answer sheet, one digit in each box.

23

What is XXV + XV? Write your answer as an ordinary number.

Write your answer in the boxes on the answer sheet, one digit in each box.

24

How many symbols are there in the Roman numeral for 888?

Write your answer in the boxes on the answer sheet, one digit in each box.

Answer sheet

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Name

Draw a firm line through the box next to your answer, like the example.

Part 1: Multiple choice

Ex	A ☐	B ☒	C ☐	D ☐	E ☐
1	A ☐	B ☐	C ☐	D ☐	E ☐
2	A ☐	B ☐	C ☐	D ☐	E ☐
3	A ☐	B ☐	C ☐	D ☐	E ☐
4	A ☐	B ☐	C ☐	D ☐	E ☐
5	A ☐	B ☐	C ☐	D ☐	E ☐
6	A ☐	B ☐	C ☐	D ☐	E ☐
7	A ☐	B ☐	C ☐	D ☐	E ☐
8	A ☐	B ☐	C ☐	D ☐	E ☐
9	A ☐	B ☐	C ☐	D ☐	E ☐
10	A ☐	B ☐	C ☐	D ☐	E ☐
11	A ☐	B ☐	C ☐	D ☐	E ☐
12	A ☐	B ☐	C ☐	D ☐	E ☐
13	A ☐	B ☐	C ☐	D ☐	E ☐
14	A ☐	B ☐	C ☐	D ☐	E ☐
15	A ☐	B ☐	C ☐	D ☐	E ☐
16	A ☐	B ☐	C ☐	D ☐	E ☐
17	A ☐	B ☐	C ☐	D ☐	E ☐
18	A ☐	B ☐	C ☐	D ☐	E ☐

Part 2: Write your answer, one digit in each box

19			
20			
21			
22			
23			
24			

Answers

For a parent to mark with. One mark for each question: the paper is out of 24. Talk through any your child got wrong, using the explanation.

Q	Answer	How to get it
1	D D	D = 500.
2	B 60	L = 50 and X = 10. $50 + 10 = 60$.
3	B M	M = 1000.
4	C 250	CC = 200 and L = 50. $200 + 50 = 250$.
5	A XLV	$45 = 40 + 5 = XL + V = XLV$.
6	A 90	X is in front of C, so take it away: $100 - 10 = 90$.
7	E 400	C is in front of D, so take it away: $500 - 100 = 400$.
8	A LXXVI	$76 = 70 + 6 = LXX + VI = LXXVI$.
9	C 140	C = 100 and XL = 40. $100 + 40 = 140$.
10	E CD	400 is a take-away pair: $500 - 100 = CD$.
11	C 700	D = 500 and CC = 200. $500 + 200 = 700$.
12	D CMXCIX	$999 = 900 + 90 + 9 = CM + XC + IX = CMXCIX$.
13	B DX	DX = 510, DIX = 509, CDXCIX = 499, CDXC = 490 and CCCXC = 390.
14	D XLIX	$49 = 40 + 9 = XL + IX = XLIX$. IL and VL are not take-away pairs, and four X or four I in a row is not allowed.
15	B 245	CC = 200, XL = 40 and V = 5. $200 + 40 + 5 = 245$.
16	E 940	CM = 900 and XL = 40. $900 + 40 = 940$.
17	C 88	88 = LXXXVIII (8 symbols). 77 = LXXVII (6), 99 = XCIX (4), 49 = XLIX (4) and 100 = C (1).
18	A LX	XL = 40 and XX = 20. $40 + 20 = 60$, which is LX.
19	160	C = 100, L = 50 and X = 10. $100 + 50 + 10 = 160$.
20	740	DCC = 700 and XL = 40. $700 + 40 = 740$.
21	454	CD = 400, L = 50 and IV = 4. $400 + 50 + 4 = 454$.
22	988	CM = 900, LXXX = 80 and VIII = 8. $900 + 80 + 8 = 988$.
23	40	XXV = 25 and XV = 15. $25 + 15 = 40$.
24	12	$888 = DCCC + LXXX + VIII = DCCCLXXXVIII$, which has $4 + 4 + 4 = 12$ symbols.

Score: out of 24