

11+ Maths Practice Paper

Year 6 · Advanced

Lesson 1.8: Roman numerals

Read this with your child:

1. This paper has **27 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: **35 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 XLV?

A 65

B 45

C 55

D 35

E 40

Answer: B XL = 40 and V = 5. $40 + 5 = 45$.

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

Now turn over and start Part 1.

Part 1: Multiple choice

1

What number is CXC?

- A 210 B 190 C 110 D 290 E 180

2

How do you write 444 in Roman numerals?

- A CCCXLIV B CDXLIII C CDXLIV D CDXXXIV E IVXLCD

3

What number is DCCCXC?

- A 910 B 790 C 1090 D 880 E 890

4

What number is CMXCIX?

- A 999 B 1221 C 899 D 989 E 1009

5

How do you write 649 in Roman numerals?

- A DCXLIX B DCIL C DCXLVIII D DCLIX E DCXXXIX

6

Which of these has a mistake?

- A CDXC B CCIC C XLIV D LXXXIX E DCCC

7

Which of these is the smallest number?

- A CDXLIV B CCCXCIX C CDI D CDV E CCCXCV

8

What is L + XXV? Give your answer as an ordinary number.

- A 65 B 85 C 25 D 75 E 105

9

How do you write 950 in Roman numerals?

- A LM B DCCCCL C CMLL D DCDL E CML
-

10

What is C – XL? Give your answer as an ordinary number.

- A 140 B 60 C 40 D 90 E 50
-

11

Which number is between CDXC and DX?

- A DXX B CDLXXX C DXL D DV E CDLX
-

12

Which of these is written the correct Roman way?

- A XM B DCCCCXC C CMLXXXX D CMXC E CMXXC
-

13

A book has CDLXXVIII pages. Amy has read CC pages.

How many pages does Amy have left to read?

- A 278 B 298 C 678 D 258 E 288
-

14

What is double CCCL in Roman numerals?

- A CCCCCCC B DCCC C CCCLCCCL D DC E DCC
-

15

Which of these numbers is written with exactly three Roman symbols?

- A 30 B 13 C 40 D 8 E 90
-

16

What is CM – CD? Give your answer as an ordinary number.

- A 1300 B 400 C 500 D 600 E 900
-

17

A number is written DXL.

What is 10 more than this number, in Roman numerals?

A DXLX

B DLX

C DL

D DXXL

E DLL

18

Ella writes 49 as IL.

What should she have written?

A XXXXIX

B XLVIII

C IXL

D XLIX

E LIX

19

What is $XC + XC + XC$ in Roman numerals?

A XCXCXC

B CCLXX

C CCXC

D CCLX

E CCCXX

20

Jay makes Roman numerals using only the symbols C, X and I. He can use each symbol once at most.

What is the biggest number he can make?

A 109

B 91

C 111

D 110

E 101

Part 2: Write your answer

21

Write DCCCLXXXVIII as an ordinary number.

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

22

Write CDXCIX as an ordinary number.

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

23

Write CMLIV as an ordinary number.

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

24

What is $DC + CD$? Write your answer as an ordinary number.

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

25

What is M – CCLX? Write your answer as an ordinary number.

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

26

How many symbols are there in the Roman numeral for 777?

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

27

One sign shows CCXL. Another sign shows XCV.

How much bigger is the first number than the second?

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 ☐
19	A ☐	B ☐	C ☐	D ☐	E ☐
20	A ☐	B ☐	C ☐	D ☐	E ☐

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

21				
22				
23				
24				
25				
26				
27				

Answers

For a parent to mark with. One mark for each question: the paper is out of 27. Talk through any your child got wrong, using the explanation.

Q	Answer	How to get it
1	B 190	$C = 100$ and $XC = 90$. $100 + 90 = 190$.
2	C CDXLIV	$444 = 400 + 40 + 4 = CD + XL + IV = CDXLIV$.
3	E 890	$DCCC = 800$ and $XC = 90$. $800 + 90 = 890$.
4	A 999	$CM = 900$, $XC = 90$ and $IX = 9$. $900 + 90 + 9 = 999$.
5	A DCXLIX	$649 = 600 + 40 + 9 = DC + XL + IX = DCXLIX$.
6	B CCIC	IC is not one of the six take-away pairs. 299 is CCXCIX.
7	E CCCXCV	$CCCXCV = 395$, $CCCXCIX = 399$, $CDI = 401$, $CDV = 405$ and $CDXLIV = 444$.
8	D 75	$L = 50$ and $XXV = 25$. $50 + 25 = 75$.
9	E CML	$950 = 900 + 50 = CM + L = CML$.
10	B 60	$C = 100$ and $XL = 40$. $100 - 40 = 60$.
11	D DV	$CDXC = 490$ and $DX = 510$. $DV = 505$, which is between them.
12	D CMXC	$990 = 900 + 90 = CM + XC = CMXC$.
13	A 278	$CDLXXVIII = 478$ and $CC = 200$. $478 - 200 = 278$.
14	E DCC	$CCCL = 350$. Double 350 is 700, which is DCC.
15	A 30	$30 = XXX$. $13 = XIII$ and $8 = VIII$ use four symbols. $40 = XL$ and $90 = XC$ use two.
16	C 500	$CM = 900$ and $CD = 400$. $900 - 400 = 500$.
17	C DL	$DXL = 540$. 10 more is $550 = 500 + 50 = DL$.
18	D XLIX	Split first: $49 = 40 + 9 = XL + IX = XLIX$.
19	B CCLXX	$XC = 90$. $90 + 90 + 90 = 270 = 200 + 70 = CC + LXX = CCLXX$.
20	C 111	Put them biggest first so every symbol is added: $CXI = 100 + 10 + 1 = 111$.
21	888	$DCCC = 800$, $LXXX = 80$ and $VIII = 8$. $800 + 80 + 8 = 888$.
22	499	$CD = 400$, $XC = 90$ and $IX = 9$. $400 + 90 + 9 = 499$.
23	954	$CM = 900$, $L = 50$ and $IV = 4$. $900 + 50 + 4 = 954$.
24	1,000	$DC = 600$ and $CD = 400$. $600 + 400 = 1000$.
25	740	$M = 1000$ and $CCLX = 260$. $1000 - 260 = 740$.
26	9	$777 = DCC + LXX + VII = DCCLXXVII$, which has $3 + 3 + 3 = 9$ symbols.
27	145	$CCXL = 240$ and $XC = 95$. $240 - 95 = 145$.

Score: out of 27