

Year 4: Roman numerals and the story of zero: answers

Year 4 - Place Value - Lesson 1.6

Answers. Final answers to the worksheet questions. Full step-by-step solutions for every question are free at websink.site/ks2-sats/maths/year-4/ch01-place-value/roman-numerals-and-the-story-of-zero/

Exercise 1F Roman numerals Non-calculator

1 Write each Roman numeral as a number. The chart shows the symbols.

I	V	X	L	C
1	5	10	50	100

(a) VII

Answer: 7

(b) XIV

Answer: 14

(c) XXIX

Answer: 29

(d) XLI

Answer: 41

(e) LXVIII

Answer: 68

(f) XCIX

Answer: 99

2 Write each number in Roman numerals.

(a) 9

Answer: IX

(b) 14

Answer: XIV

(c) 23

Answer: XXIII

(d) 38

Answer: XXXVIII

(e) 44

Answer: XLIV

(f) 76

Answer: LXXVI

3 Quick-fire! Write each number in Roman numerals.

(a) 30

Answer: XXX

(b) 50

Answer: L

(c) 60

Answer: LX

(d) 90

Answer: XC

(e) 100

Answer: C

(f) 40

Answer: XL

4 Write < or > between each pair of Roman numerals.

(a) XLIX [?] LI

Answer: XLIX < LI

(b) LXIV [?] LXVI

Answer: LXIV < LXVI

(c) XC [?] LXXXIX

Answer: XC > LXXXIX

5 Write these Roman numerals in order, smallest first. XXXIV, XLIII, XXIV, XL, LX

Answer: XXIV, XXXIV, XL, XLIII, LX

6 Work out each answer. Write the answer in Roman numerals, with the number in brackets.

(a) IX + XI

Answer: XX (20)

(b) XV + XXV

Answer: XL (40)

(c) LXII + XVII

Answer: LXXIX (79)

(d) C – XXV

Answer: LXXV (75)

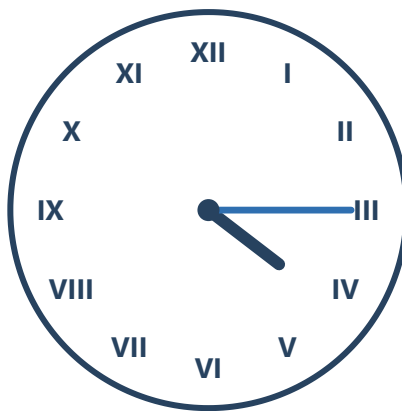
(e) L – XIV

Answer: XXXVI (36)

(f) XC – XLII

Answer: XLVIII (48)

7 The clock face uses Roman numerals. What time does the clock show? Write the time using numbers.



Answer: 4:15

8 Noah writes 8 as IIX and 49 as IL. Both are wrong. Write the correct Roman numerals.

Answer: VIII and XLIX

9 Explain why we need the digit 0 to write the number three thousand and forty (3,040). What would happen without it?

Answer: 0 is a place holder: without it 3,040 would look like 340.

10 In the number 22, the two 2s do not mean the same thing. In the Roman numeral XX, the two Xs do mean the same thing. Explain.

Answer: In 22, the 2s are worth 20 and 2. In XX each X is worth 10.

11 Write true or false for each sentence.

(a) The Romans had a symbol for zero in their numerals.

Answer: False

(b) In our number system the value of a digit depends on its column (place value).

Answer: True

(c) The digits 0 to 9 that we use today were developed over many hundreds of years, starting in India.

Answer: True

12 Books on a shelf are numbered with Roman numerals. The first book is XL and the last book is LV. How many books are on the shelf?

Answer: 16 books

13 Which number from 1 to 100 needs the most letters when it is written in Roman numerals? How many letters does it need?

Answer: 88 (LXXXVIII) needs 8 letters