

Roman Numerals

1a. Complete the calculations. Write the answers in Roman numerals.

$$\text{LX} + 20 = \boxed{}$$

$$90 - \text{XXXVI} = \boxed{}$$

$$\text{XCI} + 8 = \boxed{}$$



PS

Roman Numerals

1b. Complete the calculations. Write the answers in Roman numerals.

$$\text{XLIX} - 30 = \boxed{}$$

$$85 + \text{XIII} = \boxed{}$$

$$74 - \text{XXIV} = \boxed{}$$



PS

2a. Using your knowledge of Roman numerals to 100, work out the value of the Roman numeral below.

CC

Explain your reasoning.



R

2b. Using your knowledge of Roman numerals to 100, work out the value of the Roman numeral below.

CL

Explain your reasoning.



R

3a. Arrange the cards below to create different Roman numerals. Each card may only be used once.

X L I

Find all the possibilities.



PS

3b. Arrange the cards below to create different Roman numerals. Each card may only be used once.

V X I

Find all the possibilities.



PS

Roman Numerals

4a. Complete the calculations. Write the answers in Roman numerals.

$$200 + CCI = \boxed{}$$

$$DC - 45 = \boxed{}$$

$$CCCL + 150 = \boxed{}$$



PS

Roman Numerals

4b. Complete the calculations. Write the answers in Roman numerals.

$$485 - CCXV = \boxed{}$$

$$241 + DCXXXIV = \boxed{}$$

$$CMXI - 303 = \boxed{}$$



PS

5a. Using your knowledge of Roman numerals to 1,000, work out the value of the Roman numeral below.

MMM

Explain your reasoning.



R

5b. Using your knowledge of Roman numerals to 1,000, work out the value of the Roman numeral below.

MLX

Explain your reasoning.



R

6a. Arrange the cards below to create different Roman numerals. Each card may only be used once.

C X C I

Find all the possibilities.



PS

6b. Arrange the cards below to create different Roman numerals. Each card may only be used once.

I V C X

Find all the possibilities.



PS

Roman Numerals

7a. Complete the calculations. Write the answers in Roman numerals.

$$CCCXII + CVI = \boxed{}$$

$$DCCXXI - CCXV = \boxed{}$$

$$CDXCI + CCCLX = \boxed{}$$



PS

Roman Numerals

7b. Complete the calculations. Write the answers in Roman numerals.

$$M - DXLVIII = \boxed{}$$

$$DCXXIX + CXIII = \boxed{}$$

$$CMVI - CDXIV = \boxed{}$$



PS

8a. Using your knowledge of Roman numerals to 1,000, work out the value of the Roman numeral below.

MCDIX

Explain your reasoning.



R

8b. Using your knowledge of Roman numerals to 1,000, work out the value of the Roman numeral below.

MMDCII

Explain your reasoning.



R

9a. Arrange the cards below to create different Roman numerals. Each card may only be used once.

I X C I D

Find all the possibilities.



PS

9b. Arrange the cards below to create different Roman numerals. Each card may only be used once.

X V C I C

Find all the possibilities.



PS

Reasoning and Problem Solving Roman Numerals

Developing

- 1a. LXXX, LIV, XCIX
2a. C = 100; CC = 200
3a. 3 possibilities: XLI (41); LXI (61); LIX (59)

Expected

- 4a. CDI, DLV, D
5a. M = 1,000; MMM = 3,000
6a. 3 possibilities: CXCI (191); CCIX (209);
CCXI (211)

Greater Depth

- 7a. CDXVIII, DVI, DCCCLI
8a. M = 1,000; CD = 400; IX = 9;
MCDIX = 1,409
9a. 3 possibilities: CDXII (412); DCXII (612);
DXCII (592)

Reasoning and Problem Solving Roman Numerals

Developing

- 1b. XIX, XCVIII, L
2b. C = 100; L = 50; CL = 150
3b. 2 possibilities: XIV (14); XVI (16)

Expected

- 4b. CCLXX, DCCCLXXV, DCVIII
5b. M = 1,000; L = 50; X = 10; MLX = 1,060
6b. 4 possibilities: CXIV (114); CXVI (116);
XCIV (94); XCVI (96)

Greater Depth

- 7b. CDLII, DCCXLII, CDXCII
8b. M = 1,000; D = 500; C = 100; II = 2;
MMDCII = 2,602
9b. 4 possibilities: CCXIV (214);
CCXVI (216); CXCIV (194); CXCVI (196)