

## 5 Year 3 Term 1 Week 5 Answers

### 5.1 Topic 1 — Roman Numerals

#### 5.1.1 Change the Roman numerals into our numerals:

① LXXVI = 76

② XXXVI = 36



③ LXXXVII = 87

④ L = 50

⑤ XCV = 95

⑥ LXX = 70

⑦ XXX = 30

⑧ XCVI = 96

⑨ XCI = 91

⑩ XXXIV = 34

⑪ LXVII = 67

⑫ LXXXI = 81

⑬ XIV = 14

⑭ XLV = 45

⑮ XXVII = 27

⑯ LXXXVI = 86

⑰ XIII = 13

⑱ XI = 11

⑲ XLVII = 47

⑳ XVII = 17

㉑ LXXIX = 79

㉒ LXV = 65

㉓ LIX = 59

㉔ LXXXVIII = 88

Score: \_\_\_\_\_

**5.1.2 Change the Hindu-Arabic numerals into Roman numerals:**

① 98 = XCVIII

② 85 = LXXXV



③ 89 = LXXXIX

④ 74 = LXXIV

⑤ 72 = LXXII

⑥ 73 = LXXIII

⑦ 82 = LXXXII

⑧ 46 = XLVI

⑨ 34 = XXXIV

⑩ 55 = LV

⑪ 91 = XCI

⑫ 11 = XI

⑬ 21 = XXI

⑭ 37 = XXXVII

⑮ 56 = LVI

⑯ 16 = XVI

⑰ 97 = XCVII

⑱ 41 = XLI

⑲ 13 = XIII

⑳ 54 = LIV

㉑ 58 = LVIII

㉒ 94 = XCIV

㉓ 65 = LXV

㉔ 87 = LXXXVII

Score: \_\_\_\_\_

## 5.2 Topic 2 — Puzzles (Across Downs)

### 5.2.1 Across down (Additions)

1

17	+	8	+	4	=	29
+		+		+		+
4	+	17	+	3	=	24
+		+		+		+
18	+	10	+	17	=	45
=		=		=		=
39	+	35	+	24	=	98

2

13	+	1	+	2	=	16
+		+		+		+
20	+	11	+	12	=	43
+		+		+		+
15	+	7	+	12	=	34
=		=		=		=
48	+	19	+	26	=	93



3

5	+	18	+	20	=	43
+		+		+		+
17	+	10	+	13	=	40
+		+		+		+
17	+	8	+	16	=	41
=		=		=		=
39	+	36	+	49	=	124

4

19	+	6	+	3	=	28
+		+		+		+
7	+	3	+	16	=	26
+		+		+		+
19	+	10	+	10	=	39
=		=		=		=
45	+	19	+	29	=	93

Score:


5.2.2 Across down (Subtractions)

1

57	-	21	-	23	=	13
-		-		-		-
22	-	1	-	14	=	7
-		-		-		-
18	-	11	-	4	=	3
=		=		=		=
17	-	9	-	5	=	3

2

57	-	25	-	19	=	13
-		-		-		-
25	-	5	-	12	=	8
-		-		-		-
15	-	9	-	3	=	3
=		=		=		=
17	-	11	-	4	=	2



3

55	-	24	-	19	=	12
-		-		-		-
23	-	4	-	12	=	7
-		-		-		-
20	-	12	-	5	=	3
=		=		=		=
12	-	8	-	2	=	2

4

42	-	15	-	17	=	10
-		-		-		-
18	-	1	-	10	=	7
-		-		-		-
10	-	6	-	2	=	2
=		=		=		=
14	-	8	-	5	=	1

Score:

**5.3 Topic 3 — Multiplication**

$$\begin{array}{r} \textcircled{1} \quad 387 \\ \times 3 \\ \hline 1,161 \end{array}$$

$$\begin{array}{r} \textcircled{2} \quad 966 \\ \times 10 \\ \hline 9,660 \end{array}$$

$$\begin{array}{r} \textcircled{3} \quad 963 \\ \times 3 \\ \hline 2,889 \end{array}$$

$$\begin{array}{r} \textcircled{4} \quad 68 \\ \times 7 \\ \hline 476 \end{array}$$



$$\begin{array}{r} \textcircled{5} \quad 107 \\ \times 8 \\ \hline 856 \end{array}$$

$$\begin{array}{r} \textcircled{6} \quad 322 \\ \times 6 \\ \hline 1,932 \end{array}$$

$$\begin{array}{r} \textcircled{7} \quad 462 \\ \times 9 \\ \hline 4,158 \end{array}$$

$$\begin{array}{r} \textcircled{8} \quad 89 \\ \times 5 \\ \hline 445 \end{array}$$

$$\begin{array}{r} \textcircled{9} \quad 53 \\ \times 4 \\ \hline 212 \end{array}$$

$$\begin{array}{r} \textcircled{10} \quad 70 \\ \times 4 \\ \hline 280 \end{array}$$

$$\begin{array}{r} \textcircled{11} \quad 83 \\ \times 4 \\ \hline 332 \end{array}$$

$$\begin{array}{r} \textcircled{12} \quad 55 \\ \times 8 \\ \hline 440 \end{array}$$

$$\begin{array}{r} \textcircled{13} \quad 116 \\ \times 9 \\ \hline 1,044 \end{array}$$

$$\begin{array}{r} \textcircled{14} \quad 359 \\ \times 5 \\ \hline 1,795 \end{array}$$

$$\begin{array}{r} \textcircled{15} \quad 928 \\ \times 4 \\ \hline 3,712 \end{array}$$

$$\begin{array}{r} \textcircled{16} \quad 59 \\ \times 5 \\ \hline 295 \end{array}$$

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Score:

**5.4 Topic 4 — Divisions****5.4.1 Divisions without remainders**

① 
$$\begin{array}{r} 24 \\ 4 \overline{) 96} \end{array}$$

② 
$$\begin{array}{r} 7 \\ 8 \overline{) 56} \end{array}$$

③ 
$$\begin{array}{r} 5 \\ 7 \overline{) 35} \end{array}$$

④ 
$$\begin{array}{r} 10 \\ 2 \overline{) 20} \end{array}$$



⑤ 
$$\begin{array}{r} 4 \\ 6 \overline{) 24} \end{array}$$

⑥ 
$$\begin{array}{r} 19 \\ 4 \overline{) 76} \end{array}$$

⑦ 
$$\begin{array}{r} 12 \\ 7 \overline{) 84} \end{array}$$

⑧ 
$$\begin{array}{r} 3 \\ 9 \overline{) 27} \end{array}$$

⑨ 
$$\begin{array}{r} 3 \\ 9 \overline{) 27} \end{array}$$

⑩ 
$$\begin{array}{r} 8 \\ 6 \overline{) 48} \end{array}$$

⑪ 
$$\begin{array}{r} 5 \\ 7 \overline{) 35} \end{array}$$

⑫ 
$$\begin{array}{r} 11 \\ 6 \overline{) 66} \end{array}$$

⑬ 
$$\begin{array}{r} 16 \\ 5 \overline{) 80} \end{array}$$

⑭ 
$$\begin{array}{r} 7 \\ 7 \overline{) 49} \end{array}$$

⑮ 
$$\begin{array}{r} 15 \\ 5 \overline{) 75} \end{array}$$

⑯ 
$$\begin{array}{r} 4 \\ 6 \overline{) 24} \end{array}$$

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Score:

## 5.4.2 Divisions with whole number remainders

$$\textcircled{1} \quad \begin{array}{r} 12 \text{ r}1 \\ 3 \overline{) 37} \end{array}$$

$$\textcircled{2} \quad \begin{array}{r} 9 \text{ r}4 \\ 9 \overline{) 85} \end{array}$$

$$\textcircled{3} \quad \begin{array}{r} 2 \text{ r}3 \\ 9 \overline{) 21} \end{array}$$

$$\textcircled{4} \quad \begin{array}{r} 8 \text{ r}6 \\ 8 \overline{) 70} \end{array}$$



$$\textcircled{5} \quad \begin{array}{r} 9 \text{ r}0 \\ 6 \overline{) 54} \end{array}$$

$$\textcircled{6} \quad \begin{array}{r} 10 \text{ r}5 \\ 7 \overline{) 75} \end{array}$$

$$\textcircled{7} \quad \begin{array}{r} 13 \text{ r}2 \\ 5 \overline{) 67} \end{array}$$

$$\textcircled{8} \quad \begin{array}{r} 3 \text{ r}7 \\ 9 \overline{) 34} \end{array}$$

$$\textcircled{9} \quad \begin{array}{r} 7 \text{ r}3 \\ 7 \overline{) 52} \end{array}$$

$$\textcircled{10} \quad \begin{array}{r} 5 \text{ r}6 \\ 9 \overline{) 51} \end{array}$$

$$\textcircled{11} \quad \begin{array}{r} 8 \text{ r}1 \\ 3 \overline{) 25} \end{array}$$

$$\textcircled{12} \quad \begin{array}{r} 11 \text{ r}0 \\ 2 \overline{) 22} \end{array}$$

$$\textcircled{13} \quad \begin{array}{r} 7 \text{ r}0 \\ 9 \overline{) 63} \end{array}$$

$$\textcircled{14} \quad \begin{array}{r} 30 \text{ r}2 \\ 3 \overline{) 92} \end{array}$$

$$\textcircled{15} \quad \begin{array}{r} 2 \text{ r}6 \\ 7 \overline{) 20} \end{array}$$

$$\textcircled{16} \quad \begin{array}{r} 4 \text{ r}3 \\ 9 \overline{) 39} \end{array}$$

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Score:

**5.5 Topic 5 — Number Patterns**

- ① 82, 75, 68, 61, 54, 47, 40, 33, 26 (- 7)
- ② 66, 71, 76, 81, 86, 91, 96, 101, 106 (+ 5)
- ③ 11, 18, 25, 32, 39, 46, 53, 60, 67 (+ 7)
- ④ 13, 21, 29, 37, 45, 53, 61, 69, 77 (+ 8)
- ⑤ 51, 46, 41, 36, 31, 26, 21, 16, 11 (- 5)
- ⑥ 8, 11, 14, 17, 20, 23, 26, 29, 32 (+ 3)
- ⑦ 80, 73, 66, 59, 52, 45, 38, 31, 24 (- 7)
- ⑧ 76, 70, 64, 58, 52, 46, 40, 34, 28 (- 6)
- ⑨ 84, 80, 76, 72, 68, 64, 60, 56, 52 (- 4)
- ⑩ 9, 18, 27, 36, 45, 54, 63, 72, 81 (+ 9)
- ⑪ 22, 24, 26, 28, 30, 32, 34, 36, 38 (+ 2)
- ⑫ 17, 26, 35, 44, 53, 62, 71, 80, 89 (+ 9)

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Score:



**5.6 Problem Solving (Number problems)**

E 5.6.1 (1) 13 ; (2) 5 ; (3) 9 ; (4) 13 ; (5) 7 ; (6) 3 ; (7) 9 ; (8) 4 ; (9) 27 ; (10) 7 ; (11) 8 ; (12) 23 ;

**5.7 Miscellaneous exercises**

E 5.7.1 (1) 336 hours ; (2) 48 hours ; (3) 2880 min ; (4) 720 min ; (5) 3600 seconds ;

(6) 86400 seconds; (7) 36 eggs ; (8) 52 weeks ; (9) 365 days ; (10) 366 days ;

E 5.7.2 (1) B ; (2) A ; (3) D ; (4) A ; (5) B ; (6) D ; (7) C ; (8) D ; (9) C ; (10) D ;

E 5.7.3 (1) \$8 ; (2) 8:41 am ; (3) 25 ; (4) 13 ; (5) 30 ; (6) 44 ; (7) 32 ; (8) 987 ; (9) 102 ;

(10) 185 min;