

8 Year 3 Term 1 Week 8 Answers

8.1 Topic 1 — Roman Numerals

8.1.1 Change the Roman numerals into our numerals:



① CCCLXXIX = 379

② LXXII = 72

③ CCLIV = 254

④ CMII = 902

⑤ CCLXX = 270

⑥ XXXII = 32

⑦ XXVI = 26

⑧ LXXVI = 76

⑨ XXIII = 23

⑩ LXX = 70

⑪ CXII = 112

⑫ DCCLXXIV = 774

⑬ DXXXIII = 533

⑭ LI = 51

⑮ XLIV = 44

⑯ CDLII = 452

⑰ XXXVI = 36

⑱ LXIII = 63

⑲ XLVI = 46

⑳ XCV = 95

㉑ XXIX = 29

㉒ XX = 20

㉓ CCXLV = 245

㉔ DCCLXIII = 763

Score: _____

8.1.2 Change the Hindu-Arabic numerals into Roman numerals:

① $720 = \underline{\text{DCCXX}}$

② $64 = \underline{\text{LXIV}}$

③ $34 = \underline{\text{XXXIV}}$

④ $21 = \underline{\text{XXI}}$

⑤ $327 = \underline{\text{CCCXXVII}}$

⑥ $791 = \underline{\text{DCCXCI}}$

⑦ $781 = \underline{\text{DCCLXXXI}}$

⑧ $118 = \underline{\text{CXVIII}}$

⑨ $358 = \underline{\text{CCCLVIII}}$

⑩ $54 = \underline{\text{LIV}}$

⑪ $84 = \underline{\text{LXXXIV}}$

⑫ $27 = \underline{\text{XXVII}}$

⑬ $71 = \underline{\text{LXXI}}$

⑭ $540 = \underline{\text{DXL}}$

⑮ $873 = \underline{\text{DCCCLXXIII}}$

⑯ $345 = \underline{\text{CCCXLV}}$

⑰ $95 = \underline{\text{XCV}}$

⑱ $643 = \underline{\text{DCXLIII}}$

⑲ $364 = \underline{\text{CCCLXIV}}$

⑳ $644 = \underline{\text{DCXLIV}}$

㉑ $14 = \underline{\text{XIV}}$

㉒ $912 = \underline{\text{CMXII}}$

㉓ $267 = \underline{\text{CCLXVII}}$

㉔ $844 = \underline{\text{DCCCXLIV}}$

Score: _____

8.2 Topic 2 — Puzzles (Across Downs)

8.2.1 Across down (Additions & Subtractions)

1

18	-	4	+	24	=	38
-		+		-		+
4	+	5	-	3	=	6
+		-		+		+
30	-	1	+	24	=	53
=		=		=		=
44	+	8	+	45	=	97

2

28	-	18	+	23	=	33
-		+		-		+
18	+	9	-	4	=	23
+		-		+		+
28	-	6	+	12	=	34
=		=		=		=
38	+	21	+	31	=	90



3

41	-	15	+	28	=	54
-		+		-		+
15	+	35	-	6	=	44
+		-		+		+
37	-	2	+	49	=	84
=		=		=		=
63	+	48	+	71	=	182

4

36	-	29	+	43	=	50
-		+		-		+
29	+	26	-	7	=	48
+		-		+		+
27	-	3	+	45	=	69
=		=		=		=
34	+	52	+	81	=	167

Score:

8.3 Topic 3 — Multiplication

$$\begin{array}{r} \textcircled{1} \quad 220 \\ \times 18 \\ \hline 3,960 \end{array}$$

$$\begin{array}{r} \textcircled{2} \quad 752 \\ \times 9 \\ \hline 6,768 \end{array}$$

$$\begin{array}{r} \textcircled{3} \quad 63 \\ \times 2 \\ \hline 126 \end{array}$$

$$\begin{array}{r} \textcircled{4} \quad 51 \\ \times 17 \\ \hline 867 \end{array}$$



$$\begin{array}{r} \textcircled{5} \quad 59 \\ \times 2 \\ \hline 118 \end{array}$$

$$\begin{array}{r} \textcircled{6} \quad 73 \\ \times 9 \\ \hline 657 \end{array}$$

$$\begin{array}{r} \textcircled{7} \quad 98 \\ \times 17 \\ \hline 1,666 \end{array}$$

$$\begin{array}{r} \textcircled{8} \quad 69 \\ \times 6 \\ \hline 414 \end{array}$$

$$\begin{array}{r} \textcircled{9} \quad 437 \\ \times 3 \\ \hline 1,311 \end{array}$$

$$\begin{array}{r} \textcircled{10} \quad 297 \\ \times 7 \\ \hline 2,079 \end{array}$$

$$\begin{array}{r} \textcircled{11} \quad 709 \\ \times 4 \\ \hline 2,836 \end{array}$$

$$\begin{array}{r} \textcircled{12} \quad 53 \\ \times 13 \\ \hline 689 \end{array}$$

$$\begin{array}{r} \textcircled{13} \quad 816 \\ \times 18 \\ \hline 14,688 \end{array}$$

$$\begin{array}{r} \textcircled{14} \quad 936 \\ \times 3 \\ \hline 2,808 \end{array}$$

$$\begin{array}{r} \textcircled{15} \quad 53 \\ \times 6 \\ \hline 318 \end{array}$$

$$\begin{array}{r} \textcircled{16} \quad 75 \\ \times 14 \\ \hline 1,050 \end{array}$$

Score:

8.4 Topic 4 — Divisions**8.4.1 Divisions without remainders**

$$\textcircled{1} \quad \begin{array}{r} 38 \\ 3 \overline{) 114} \end{array}$$

$$\textcircled{2} \quad \begin{array}{r} 29 \\ 6 \overline{) 174} \end{array}$$

$$\textcircled{3} \quad \begin{array}{r} 4 \\ 7 \overline{) 28} \end{array}$$

$$\textcircled{4} \quad \begin{array}{r} 12 \\ 6 \overline{) 72} \end{array}$$



$$\textcircled{5} \quad \begin{array}{r} 6 \\ 6 \overline{) 36} \end{array}$$

$$\textcircled{6} \quad \begin{array}{r} 40 \\ 3 \overline{) 120} \end{array}$$

$$\textcircled{7} \quad \begin{array}{r} 38 \\ 5 \overline{) 190} \end{array}$$

$$\textcircled{8} \quad \begin{array}{r} 5 \\ 11 \overline{) 55} \end{array}$$

$$\textcircled{9} \quad \begin{array}{r} 4 \\ 12 \overline{) 48} \end{array}$$

$$\textcircled{10} \quad \begin{array}{r} 26 \\ 3 \overline{) 78} \end{array}$$

$$\textcircled{11} \quad \begin{array}{r} 28 \\ 6 \overline{) 168} \end{array}$$

$$\textcircled{12} \quad \begin{array}{r} 40 \\ 4 \overline{) 160} \end{array}$$

$$\textcircled{13} \quad \begin{array}{r} 7 \\ 10 \overline{) 70} \end{array}$$

$$\textcircled{14} \quad \begin{array}{r} 17 \\ 10 \overline{) 170} \end{array}$$

$$\textcircled{15} \quad \begin{array}{r} 10 \\ 11 \overline{) 110} \end{array}$$

$$\textcircled{16} \quad \begin{array}{r} 77 \\ 2 \overline{) 154} \end{array}$$

Score:

8.4.2 Divisions with whole number remainders

$$\textcircled{1} \quad \begin{array}{r} 30 \text{ r}0 \\ 2 \overline{) 60} \end{array}$$

$$\textcircled{2} \quad \begin{array}{r} 5 \text{ r}3 \\ 4 \overline{) 23} \end{array}$$

$$\textcircled{3} \quad \begin{array}{r} 10 \text{ r}2 \\ 4 \overline{) 42} \end{array}$$

$$\textcircled{4} \quad \begin{array}{r} 23 \text{ r}5 \\ 7 \overline{) 166} \end{array}$$



$$\textcircled{5} \quad \begin{array}{r} 12 \text{ r}4 \\ 8 \overline{) 100} \end{array}$$

$$\textcircled{6} \quad \begin{array}{r} 5 \text{ r}11 \\ 12 \overline{) 71} \end{array}$$

$$\textcircled{7} \quad \begin{array}{r} 40 \text{ r}1 \\ 2 \overline{) 81} \end{array}$$

$$\textcircled{8} \quad \begin{array}{r} 66 \text{ r}1 \\ 2 \overline{) 133} \end{array}$$

$$\textcircled{9} \quad \begin{array}{r} 32 \text{ r}2 \\ 4 \overline{) 130} \end{array}$$

$$\textcircled{10} \quad \begin{array}{r} 16 \text{ r}6 \\ 11 \overline{) 182} \end{array}$$

$$\textcircled{11} \quad \begin{array}{r} 7 \text{ r}0 \\ 8 \overline{) 56} \end{array}$$

$$\textcircled{12} \quad \begin{array}{r} 59 \text{ r}0 \\ 2 \overline{) 118} \end{array}$$

$$\textcircled{13} \quad \begin{array}{r} 29 \text{ r}2 \\ 5 \overline{) 147} \end{array}$$

$$\textcircled{14} \quad \begin{array}{r} 20 \text{ r}5 \\ 9 \overline{) 185} \end{array}$$

$$\textcircled{15} \quad \begin{array}{r} 28 \text{ r}3 \\ 6 \overline{) 171} \end{array}$$

$$\textcircled{16} \quad \begin{array}{r} 21 \text{ r}6 \\ 7 \overline{) 153} \end{array}$$

Score:

8.5 Topic 5 — Number Patterns

- ① 43, 52, 60, 67, 73, 78, 82, 85, 87 (+ 9 + 8 + 7 + 6...)
- ② 63, 68, 64, 69, 65, 70, 66, 71, 67 (+ 5 - 4 + 5 - 4 + 5 - 4...)
- ③ 45, 50, 55, 60, 65, 70, 75, 80, 85 (+ 5)
- ④ 80, 71, 62, 53, 44, 35, 26, 17, 8 (- 9)
- ⑤ 69, 75, 81, 88, 94, 102, 108, 117, 123 (+ 6 + 6 + 7 + 6 + 8 + 6...)
- ⑥ 50, 47, 45, 41, 39, 34, 32, 26, 24 (- 3 - 2 - 4 - 2 - 5 - 2...)
- ⑦ 69, 64, 59, 54, 49, 44, 39, 34, 29 (- 5)
- ⑧ 5, 14, 23, 32, 41, 50, 59, 68, 77 (+ 9)
- ⑨ 39, 41, 44, 48, 53, 59, 66, 74, 83 (+ 2 + 3 + 4 + 5...)
- ⑩ 51, 48, 51, 47, 50, 45, 48, 42, 45 (- 3 + 3 - 4 + 3 - 5 + 3...)
- ⑪ 26, 34, 42, 50, 58, 66, 74, 82, 90 (+ 8)
- ⑫ 95, 92, 87, 80, 71, 60, 47, 32, 15 (- 3 - 5 - 7 - 9 - 11...)

Score:

8.6 Problem Solving (Number problem)

(1) 9 ; (2) 28 ; (3) 22 ; (4) 18 ; (5) 8 ; (6) 28 ; (7) 14 ; (8) 24 ; (9) 72 ; (10) 23 ; (11) 9 ; (12) 50 ;

8.7 Quiz 8 Answers

(1) D ; (2) D ; (3) C ; (4) D ; (5) A ; (6) D ; (7) D ; (8) C ; (9) C ; (10) C ; (11) D ; (12) C ;

8.8 Miscellaneous Exercise

E 8.8.1 (1) D ; (2) A ; (3) B ; (4) A ; (5) C ; (6) D ; (7) B ; (8) B ; (9) D ; (10) B ; (11) A ; (12) D ;

E 8.8.2 (1) 29 ; (2) 12 ; (3) 6 ; (4) 184 ; (5) DCXXXIII; (6) 7; (7) 12 ; (8) 330 min ; (9) 1500 m ;

(10) 336 hrs ; (11) \$2.50 ; (12) \$1.20 ; (13) 21 ; (14) 104 ;

E 8.8.3 (1) 70 ; (2) a. \$11.30 , b. \$0.70 ; (3) 15 m ; (4) 24 ; (5) 9 laps ; (6) 9 ;