

Year 3 Term 1 Homework

Student Name: _____	Grade: _____
Date: _____	Score: _____

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8 Year 3 Term 1 Week 8 Homework

8.1 Topic 1 — Roman Numerals

8.1.1 Change the Roman numerals into our numerals:

- | | |
|--------------------|--------------------|
| ① CCCLXXIX = _____ | ② LXXII = _____ |
| ③ CCLIV = _____ | ④ CMII = _____ |
| ⑤ CCLXX = _____ | ⑥ XXXII = _____ |
| ⑦ XXVI = _____ | ⑧ LXXVI = _____ |
| ⑨ XXIII = _____ | ⑩ LXX = _____ |
| ⑪ CXII = _____ | ⑫ DCCLXXIV = _____ |
| ⑬ DXXXIII = _____ | ⑭ LI = _____ |
| ⑮ XLIV = _____ | ⑯ CDLII = _____ |
| ⑰ XXXVI = _____ | ⑱ LXIII = _____ |
| ⑲ XLVI = _____ | ⑳ XCV = _____ |
| ㉑ XXIX = _____ | ㉒ XX = _____ |
| ㉓ CCXLV = _____ | ㉔ DCCLXIII = _____ |

Score: _____

8.1.2 Change the Hindu-Arabic numerals into Roman numerals:

① $720 =$ _____

② $64 =$ _____

③ $34 =$ _____

④ $21 =$ _____

⑤ $327 =$ _____

⑥ $791 =$ _____

⑦ $781 =$ _____

⑧ $118 =$ _____

⑨ $358 =$ _____

⑩ $54 =$ _____

⑪ $84 =$ _____

⑫ $27 =$ _____

⑬ $71 =$ _____

⑭ $540 =$ _____

⑮ $873 =$ _____

⑯ $345 =$ _____

⑰ $95 =$ _____

⑱ $643 =$ _____

⑲ $364 =$ _____

⑳ $644 =$ _____

㉑ $14 =$ _____

㉒ $912 =$ _____

㉓ $267 =$ _____

㉔ $844 =$ _____

Score: _____

8.2 Topic 2 — Puzzles (Across Downs)

8.2.1 Across down (Additions & Subtractions)

1

18	-	4	+	24	=	
-		+		-		+
4	+	5	-	3	=	
+		-		+		+
30	-	1	+	24	=	
=		=		=		=
	+		+		=	

2

28	-	18	+	23	=	
-		+		-		+
18	+	9	-	4	=	
+		-		+		+
28	-	6	+	12	=	
=		=		=		=
	+		+		=	

3

41	-	15	+	28	=	
-		+		-		+
15	+	35	-	6	=	
+		-		+		+
37	-	2	+	49	=	
=		=		=		=
	+		+		=	

4

36	-	29	+	43	=	
-		+		-		+
29	+	26	-	7	=	
+		-		+		+
27	-	3	+	45	=	
=		=		=		=
	+		+		=	

Score:

8.3 Topic 3 — Multiplication

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Score:

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

①

$$3 \overline{) 114}$$

②

$$6 \overline{) 174}$$

③

$$7 \overline{) 28}$$

④

$$6 \overline{) 72}$$

⑤

$$6 \overline{) 36}$$

⑥

$$3 \overline{) 120}$$

⑦

$$5 \overline{) 190}$$

⑧

$$11 \overline{) 55}$$

⑨

$$12 \overline{) 48}$$

⑩

$$3 \overline{) 78}$$

⑪

$$6 \overline{) 168}$$

⑫

$$4 \overline{) 160}$$

⑬

$$10 \overline{) 70}$$

⑭

$$10 \overline{) 170}$$

⑮

$$11 \overline{) 110}$$

⑯

$$2 \overline{) 154}$$

Score:

8.4.2 Divisions with whole number remainders

①

$$2 \overline{) 60}$$

②

$$4 \overline{) 23}$$

③

$$4 \overline{) 42}$$

④

$$7 \overline{) 166}$$

⑤

$$8 \overline{) 100}$$

⑥

$$12 \overline{) 71}$$

⑦

$$2 \overline{) 81}$$

⑧

$$2 \overline{) 133}$$

⑨

$$4 \overline{) 130}$$

⑩

$$11 \overline{) 182}$$

⑪

$$8 \overline{) 56}$$

⑫

$$2 \overline{) 118}$$

⑬

$$5 \overline{) 147}$$

⑭

$$9 \overline{) 185}$$

⑮

$$6 \overline{) 171}$$

⑯

$$7 \overline{) 153}$$

Score:

8.5 Topic 5 — Number Patterns

① 43, 52, 60, 67, 73, 78, 82, ___ , ___

② 63, 68, 64, 69, 65, 70, 66, ___ , ___

③ 45, 50, 55, 60, 65, 70, 75, ___ , ___

④ 80, 71, 62, 53, 44, 35, 26, ___ , ___

⑤ 69, 75, 81, 88, 94, 102, 108, ___ , ___

⑥ 50, 47, 45, 41, 39, 34, 32, ___ , ___

⑦ 69, 64, 59, 54, 49, 44, 39, ___ , ___

⑧ 5, 14, 23, 32, 41, 50, 59, ___ , ___

⑨ 39, 41, 44, 48, 53, 59, 66, ___ , ___

⑩ 51, 48, 51, 47, 50, 45, 48, ___ , ___

⑪ 26, 34, 42, 50, 58, 66, 74, ___ , ___

⑫ 95, 92, 87, 80, 71, 60, 47, ___ , ___

Score:

8.6 Problem Solving (Number problems)**Exercise 8.6.1**

1. 63 is equal to the product of seven and some number. Find the number.

2. The quotient of a number and four is 7. Find the number.

3. Fifteen less than a number is 7. What is the number?

4. A number diminished by 7 is 11. Find the number.

5. Nine more than a number is 17. What is the number?

6. The difference of a number and fourteen is equal to 14. What is the number?

7. Twice a number is 28. What is the number?

8. One-half of a number diminished by 2 is 10. Find the number.

9. The quotient of a number and six is 12. Find the number.

10. Eight less than a number is 15. Find the number.

11. Three times a number is 27. What is the number?

12. One-fifth of a number is 10. Find the number.

8.7 Quiz 8**Exercise 8.7.1**

1. One quarter of \$100 is:
A. \$10 B. \$50 C. \$20 D. \$25
2. How many minutes are there in 2 and a half hours?
A. 120 B. 130 C. 140 D. 150
3. Half of a number is 18. What is the number?
A. 9 B. 24 C. 36 D. 38
4. John has 8 marbles and Tim has twice as John has. How many marbles do two boys have altogether?
A. 12 B. 16 C. 18 D. 24
5. How many hours are there from 9:30am. to 2:30 pm?
A. 5 B. 2 C. 3 D. 4
6. Four times a number increased by 4 is 40. What is the number?
A. 6 B. 7 C. 8 D. 9
7. How many days are there in July and August?
A. 61 B. 59 C. 60 D. 62
8. How many metres are there in 2 kilometres?
A. 20 B. 200 C. 2000 D. 20,000
9. How many centimetres are there in 5 metres?
A. 1000 B. 50 C. 500 D. 5000
10. How many grams are there in 1.6 kg?
A. 16 B. 160 C. 1600 D. 16,000
11. The product of 12 and a number is 96. What is the number?
A. 9 B. 7 C. 6 D. 8
12. What is the remainder when 87 is divided by 7?
A. 1 B. 2 C. 3 D. 4

8.8 Miscellaneous exercises**Exercise 8.8.1 Multiple choice**

1. *The sum of a number and 17 is 32. What is the number?*
A. 12 B. 13 C. 14 D. 15
2. *50% of \$50 is:*
A. \$25 B. \$20 C. \$15 D. \$100
3. *The product of nine and a number is 108. What is the number?*
A. 11 B. 12 C. 13 D. 14
4. *Half of a number increased by 2 is 8. What is the number?*
A. 12 B. 14 C. 16 D. 20
5. *Two times a number increased by 2 is 8. What is the number?*
A. 1 B. 2 C. 3 D. 4
6. *How many weeks are there in two fortnights?*
A. 28 B. 14 C. 3 D. 4
7. *How many weeks in half a year?*
A. 17 B. 26 C. 14 D. 36
8. *25% of \$100 is:*
A. \$50 B. \$25 C. \$30 D. \$45
9. *What is the value of 5 in the number 2354?*
A. 5 units B. 5 hundreds C. 5 thousands D. 5 tens
10. *Consider the number of 434. What is the difference in the values of the two 4's?*
A. 100 B. 396 C. 369 D. 430
11. *What is the most likely number needed to continue the series? 12, 25, 40, 57, 76, _____ . . .*
A. 97 B. 95 C. 93 D. 91
12. *Which is the most likely missing number needed to complete the following pattern:
10, 13, _____, 19, 22, . . .*
A. 12 B. 14 C. 15 D. 16

Exercise 8.8.2

1. Seventeen less than a number is 12. Find the number.

2. Twice a number is 24. What is the number?

3. Three times a number increased by 2 is 20. Find the number.

4. Change the Roman numeral to Arabic number: CLXXXIV = _____

5. Change the Arabic number to Roman numeral: 633 = _____

6. Evaluate $(6 + 4) - (6 - 3) =$ _____

7. Evaluate $2 \times 3 \times 4 - 12 =$ _____

8. How many minutes are there in 5 and a half hours?

9. How many metres are there in 1.5 kilometres?

10. How many hours are there in a fortnight?

11. How much change do you have from \$10 note if you purchased 5 pens at \$1.50 each?

12. How much will an apple cost if 5 apples cost \$6.00?

13. What is the number half way between 14 and 28?

14. How many legs have 7 spiders and 8 ants altogether?

Exercise 8.8.3 Problem solving

1. There are three piles of bank notes. Each pile contains \$200. One pile is made up of \$20 notes, another of \$10 notes and the third of \$5 notes. How many notes are there in the three piles altogether?

2. Jason gets an allowance of \$12 per week. He bought 3 chocolate bars for \$0.60 each, 2 comic books for \$2.50 each and a birthday present for his sister for \$4.50.

(a) How much did Jason spend altogether?

(b) How much does he have left from his allowance?

3. A string is 90 metres long. If the string is cut into 6 equal pieces, how long will each piece be?

4. 96 people travelled by bus to the zoo. If they were divided into 4 groups, how many people were in each group?

5. Jake wanted to swim 600 metres. He has a 20-metre pool in his back yard. If he had already swum 6 laps, how many more laps had he to go?

6. What number multiplied by 8 equals 6 dozen?
