

Year 4 Term 1 Homework

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

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2 Year 4 Term 1 Week 2 Homework

2.1 Whole Numbers

2.1.1 Roman Numerals

Exercise 2.1.1 Change the Roman numerals into our own numerals:

1. $CDLXIV =$ _____

2. $DCCXCII =$ _____

3. $CCLIV =$ _____

4. $CDXXXIX =$ _____

5. $MMXI =$ _____

Exercise 2.1.2 Change these numbers into the Roman numerals:

1. $312 =$ _____

2. $106 =$ _____

3. $1505 =$ _____

4. $1452 =$ _____

5. $1991 =$ _____

2.1.2 Place Value

Exercise 2.1.3 What is the place value of 3 in each of these numbers?

1. $123,456 =$ _____

2. $237,650 =$ _____

3. $601,273 =$ _____

4. $1,206,305 =$ _____

5. $8,460,023 =$ _____

2.1.3 Expanded Notation

Exercise 2.1.4 Write each of the following numbers in expanded notation:

1. 9,304 _____

2. 50,073 _____

3. 102,390 _____

4. 300,273 _____

5. 480,034 _____

6. 200,020 _____

7. 6,304,922 _____

8. 4,003,006 _____

2.1.4 Exponential Notation

Exercise 2.1.5 Write each of the following numbers in exponential notation:

1. 4,029 _____

2. 23,072 _____

3. 20,238 _____

4. 102,364 _____

5. 200,100 _____

6. 500,830 _____

7. 3,472,408 _____

8. 8,002,500 _____

2.2 Decimals

2.2.1 Place Value

Exercise 2.2.1 What is the place value of 6 in each of these numbers?

1. $12.064 =$ _____

2. $12.682 =$ _____

3. $24.526 =$ _____

4. $16.289 =$ _____

5. $68.124 =$ _____

6. $1082.16 =$ _____

2.2.2 Ordering Decimal Numbers

Exercise 2.2.2

1. Which of the following four numbers is the smallest?

A. 1.2 B. 1.02 C. 1.12 D. 1.21

2. Which of the following four numbers is the largest?

A. 15.5 B. 15.05 C. 15.15 D. 15.51

3. Subtract the smallest of these four numbers from the largest one:

1.49, 1.14, 1.04 and 1.94. _____

4. Find the average of the largest and smallest of these four numbers:

12.8, 18.2, 28.1 and 21.8. _____

5. Arrange these numbers in decreasing order of size: 4.91, 4.091, 4.901 and 4.019.

2.2.3 Rounding Off**Exercise 2.2.3**

1. Round off the following numbers to the nearest 10:

(a) $4582 =$ _____

(b) $28995 =$ _____

(c) $39097 =$ _____

(d) $21049 =$ _____

2. Round off the following numbers to the nearest 100:

(a) $29038 =$ _____

(b) $34852 =$ _____

(c) $37950 =$ _____

(d) $54949 =$ _____

3. Round off the following numbers to the nearest 1000:

(a) $385081 =$ _____

(b) $840835 =$ _____

(c) $129632 =$ _____

(d) $995195 =$ _____

4. Round off the following numbers to the nearest 10th:

(a) $12.345 =$ _____

(b) $28.983 =$ _____

(c) $0.2356 =$ _____

(d) $0.087 =$ _____

5. Round off the following numbers to the nearest 100th:

(a) $12.345 =$ _____

(b) $28.983 =$ _____

(c) $0.2356 =$ _____

(d) $1.949 =$ _____

2.3 Fractions

2.3.1 Equivalent Fractions 2

$$\textcircled{1} \quad \frac{4}{5} = \frac{40}{\quad} = \frac{\quad}{35}$$

$$\textcircled{2} \quad \frac{4}{10} = \frac{\quad}{20} = \frac{32}{\quad}$$

$$\textcircled{3} \quad \frac{3}{7} = \frac{\quad}{14} = \frac{30}{\quad}$$

$$\textcircled{4} \quad \frac{2}{4} = \frac{\quad}{40} = \frac{12}{\quad}$$

$$\textcircled{5} \quad \frac{1}{2} = \frac{\quad}{10} = \frac{3}{\quad}$$

$$\textcircled{6} \quad \frac{2}{3} = \frac{\quad}{30} = \frac{12}{\quad}$$

$$\textcircled{7} \quad \frac{1}{4} = \frac{\quad}{32} = \frac{4}{\quad}$$

$$\textcircled{8} \quad \frac{3}{9} = \frac{\quad}{54} = \frac{15}{\quad}$$

$$\textcircled{9} \quad \frac{5}{8} = \frac{20}{\quad} = \frac{\quad}{16}$$

$$\textcircled{10} \quad \frac{5}{6} = \frac{\quad}{18} = \frac{35}{\quad}$$

$$\textcircled{11} \quad \frac{6}{7} = \frac{54}{\quad} = \frac{\quad}{70}$$

$$\textcircled{12} \quad \frac{1}{9} = \frac{\quad}{36} = \frac{10}{\quad}$$

$$\textcircled{13} \quad \frac{2}{5} = \frac{14}{\quad} = \frac{\quad}{20}$$

$$\textcircled{14} \quad \frac{7}{9} = \frac{42}{\quad} = \frac{\quad}{36}$$

$$\textcircled{15} \quad \frac{1}{6} = \frac{9}{\quad} = \frac{\quad}{48}$$

$$\textcircled{16} \quad \frac{3}{4} = \frac{\quad}{28} = \frac{6}{\quad}$$

$$\textcircled{17} \quad \frac{3}{6} = \frac{6}{\quad} = \frac{\quad}{42}$$

$$\textcircled{18} \quad \frac{9}{10} = \frac{\quad}{80} = \frac{27}{\quad}$$

$$\textcircled{19} \quad \frac{1}{5} = \frac{\quad}{20} = \frac{9}{\quad}$$

$$\textcircled{20} \quad \frac{2}{9} = \frac{\quad}{54} = \frac{20}{\quad}$$

Score: _____

2.3.2 Simplifying Fractions 2

① $\frac{15}{21} =$ _____

② $\frac{3}{21} =$ _____

③ $\frac{4}{24} =$ _____

④ $\frac{48}{64} =$ _____

⑤ $\frac{5}{25} =$ _____

⑥ $\frac{16}{24} =$ _____

⑦ $\frac{6}{54} =$ _____

⑧ $\frac{36}{63} =$ _____

⑨ $\frac{32}{64} =$ _____

⑩ $\frac{14}{18} =$ _____

⑪ $\frac{4}{12} =$ _____

⑫ $\frac{4}{32} =$ _____

⑬ $\frac{30}{70} =$ _____

⑭ $\frac{10}{20} =$ _____

⑮ $\frac{40}{72} =$ _____

⑯ $\frac{15}{40} =$ _____

⑰ $\frac{12}{14} =$ _____

⑱ $\frac{25}{40} =$ _____

⑲ $\frac{27}{54} =$ _____

⑳ $\frac{14}{16} =$ _____

Score: _____

2.3.3 Comparing Fractions 1

① $\frac{20}{30} \square \frac{9}{45}$

② $\frac{6}{18} \square \frac{8}{16}$

③ $\frac{10}{40} \square \frac{8}{12}$

④ $\frac{18}{36} \square \frac{7}{28}$

⑤ $\frac{2}{6} \square \frac{3}{5}$

⑥ $\frac{3}{4} \square \frac{4}{12}$

⑦ $\frac{4}{5} \square \frac{2}{5}$

⑧ $\frac{12}{18} \square \frac{3}{6}$

⑨ $\frac{2}{5} \square \frac{2}{3}$

⑩ $\frac{1}{2} \square \frac{24}{32}$

⑪ $\frac{4}{20} \square \frac{2}{4}$

⑫ $\frac{1}{6} \square \frac{10}{30}$

⑬ $\frac{21}{35} \square \frac{40}{48}$

⑭ $\frac{5}{6} \square \frac{32}{40}$

⑮ $\frac{1}{4} \square \frac{3}{5}$

⑯ $\frac{3}{6} \square \frac{1}{6}$

⑰ $\frac{3}{9} \square \frac{12}{20}$

⑱ $\frac{15}{18} \square \frac{1}{6}$

⑲ $\frac{2}{3} \square \frac{1}{5}$

⑳ $\frac{2}{12} \square \frac{1}{4}$

㉑ $\frac{10}{20} \square \frac{3}{6}$

Score:

2.4 Across Downs

1

19	+	22	+	37	=	
+		+		+		+
33	+	3	+	22	=	
+		+		+		+
41	+	20	+	15	=	
=		=		=		=
	+		+		=	

2

131	-	51	-	42	=	
-		-		-		-
58	-	12	-	25	=	
-		-		-		-
30	-	17	-	6	=	
=		=		=		=
	-		-		=	

3

40	-	37	+	33	=	
-		+		-		+
37	+	31	-	5	=	
+		-		+		+
17	-	11	+	8	=	
=		=		=		=
	+		+		=	

4

31	-	8	+	30	=	
-		+		-		+
8	+	45	-	15	=	
+		-		+		+
38	-	1	+	23	=	
=		=		=		=
	+		+		=	

2.5 Multiple Operations

① $1 + 6 - 3 + 9 =$ _____

② $7 + 8 - 9 + 1 =$ _____

③ $7 \times (2 + 9) =$ _____

④ $8 - 7 - 4 + 6 =$ _____

⑤ $7 + 6 + 1 + 9 =$ _____

⑥ $7 \times 3 - (5 - 8) =$ _____

⑦ $6 + 4 - 7 + 9 =$ _____

⑧ $(2 \times 4) - (5 + 6) =$ _____

⑨ $2 \times (9 + 5) =$ _____

⑩ $7 \times (8 + 6) =$ _____

⑪ $4 + 5 \times 8 + 3 =$ _____

⑫ $8 \times 1 - (5 - 7) =$ _____

⑬ $9 + 7 - 1 + 4 =$ _____

⑭ $8 + 5 \times 7 + 6 =$ _____

⑮ $7 \times 2 + (3 + 9) =$ _____

⑯ $9 + 2 \times 3 + 7 =$ _____

⑰ $8 + 6 - 7 + 1 =$ _____

⑱ $2 + 3 \times 9 + 8 =$ _____

⑲ $9 \times 7 - (6 + 1) =$ _____

⑳ $(3 \times 2) - (4 + 7) =$ _____

Score: _____

2.6 Quiz 2

Question 1. Write the following in Hindu-Arabic numerals: (8 points)

(a) DLIV = _____ [2]

(b) XXXIX = _____ [2]

(c) CCXXVII = _____ [2]

(d) CDXLIV = _____ [2]

Question 2. Write these numbers in Roman numerals: (8 points)

(a) 124 = _____ [2]

(b) 379 = _____ [2]

(c) 703 = _____ [2]

(d) 1279 = _____ [2]

Question 3. Write the following numbers in expanded notation: (8 points)

(a) 972 = _____ [2]

(b) 9,372 = _____ [2]

(c) 63,287 = _____ [2]

(d) 643,021 = _____ [2]

Question 4. Write the following numbers in exponential notation: (8 points)

(a) 682 = _____ [2]

(b) 2,945 = _____ [2]

(c) 29,303 = _____ [2]

(d) 290,058 = _____ [2]

Question 5. Find the answer to the following: (16 points)

(a) $16 + 8 \div 2 + 1 =$ _____ [2]

(b) $(16 + 8) \div 2 + 1 =$ _____ [2]

(c) $(16 + 8) \div (2 + 1) =$ _____ [2]

(d) $18 - 6 \div 2 + 1 =$ _____ [2]

(e) $18 - 6 \div (2 + 1) =$ _____ [2]

(f) $(18 - 6) \div (2 + 1) =$ _____ [2]

(g) $4 \times 6 - (18 + 12 \div 4) =$ _____ [2]

(h) $82 - (28 \div 4) \times 3 + 5 =$ _____ [2]

Question 6. Evaluate the following expressions: (8 points)

(a) Decrease the quotient of 24 and 4 by 4. [2]

(a) _____

(b) Increase the product of 27 and 5 by 15. [2]

(b) _____

(c) What is the difference between 128 and the square of 9? [2]

(c) _____

(d) The product of 12 and 8 is decreased by the quotient of 12 and 3. [2]

(d) _____

Question 7. Write the following as ordinary numbers: (8 points)

(a) $3^3 =$ _____ [2]

(b) $3 \times 2^4 =$ _____ [2]

(c) $6^2 \times 4 =$ _____ [2]

(d) $3 \times 5^2 =$ _____ [2]

Question 8.(2 points)

When 51 is divided by a certain number, the answer is 17. What is the number?

Question 9.(2 points)

Two numbers are multiplied together to give 108. If one number is 18, what is the other number?

Question 10. (2 points)

Joe bought 40 metres of ribbon for \$36. Find the cost of each metre.

Question 11. (2 points)

The twins Amy and Emma are 1.39 m and 142 cm respectively. What is the difference between their heights?

Question 12. (2 points)

By how much does 128 exceed 57?

Question 13. (2 points)

Jason ran his race in 38 min and 12 seconds, while Raymond took 35 min and 26 seconds. What is the difference in the times?

Question 14. (2 points)

When a number is multiplied by three, the answer is two more than forty. Find the number.

Question 15. (2 points)

When fifty-four jellybeans are shared equally between four boys, how many are left over?

Question 16. (2 points)

Jeffrey recorded the number of emails he received over five days as 6, 7, 4, 8 and 10. Find the average number of emails Jeffrey received each day.

Question 17. (2 points)

Jane weighs 34 kg, while Addison weighs 4 kg more. What is their total weight?

Question 18. (2 points)

The sum of three numbers is 28. If two of the numbers are 7 and 9, what is the other number?

Question 19. (2 points)

If the average of three numbers is 12 and one of the numbers is 14, what is the total of the other two numbers?

Question 20. (2 points)

The difference between two numbers is 17. If the small number is 26, what is the large number?

Question 21. (2 points)

What is the difference between 4^2 and 5^2 ?

Question 22. (2 points)

The sum of two numbers is 18. The large number is two times the small number. What is the large number?

Question 23. (2 points)

The sum of two numbers is 30 and their difference is 8. Find their product.

Question 24. (2 points)

What is the difference between the product of 5 and 6 and the quotient of sixty and 5?

Question 25. (2 points)

The average of 3 numbers is 8. A fourth number is added on the total, and the new average is 9. What is the fourth number?
