

Year 4 Term 2 Homework

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

Table of contents

3	Year 4 Term 2 Week 3	1
3.1	Topic 1 — Fractions	1
3.1.1	Simplifying Fractions 3	1
3.1.2	Comparing Fractions 3	2
3.1.3	Adding Fractions 3	3
3.1.4	Subtracting Fractions 3	4
3.1.5	Multiplying Fractions 3	5
3.1.6	Dividing Fractions 3	6
3.2	Topic 2 — Number Problems	7
3.2.1	Number Problems 1	7
3.2.2	Number Problems 2	8
3.3	Topic 3 — Decimals	9
3.4	Topic 4 — Percentages	10
3.4.1	Percentages 5	10
3.4.2	Percentages 6	11
3.5	Quiz 3	12
3.5.1	Part A — 10 Multiple Choice Questions (1 mark each)	12
3.5.2	Part B — 10 Average Questions (2 marks each)	13
3.5.3	Part C — 10 Extension Questions (3 marks each)	15
3.5.4	Part D — 8 Challenging Questions (5 marks each)	17

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3 Year 4 Term 2 Week 3

3.1 Topic 1 — Fractions

3.1.1 Simplifying Fractions 3

① $\frac{104}{64} =$ _____

② $\frac{48}{20} =$ _____

③ $\frac{52}{28} =$ _____

④ $\frac{55}{25} =$ _____

⑤ $\frac{133}{77} =$ _____

⑥ $\frac{81}{30} =$ _____

⑦ $\frac{171}{72} =$ _____

⑧ $\frac{162}{99} =$ _____

⑨ $\frac{63}{35} =$ _____

⑩ $\frac{54}{48} =$ _____

⑪ $\frac{63}{27} =$ _____

⑫ $\frac{69}{24} =$ _____

⑬ $\frac{36}{27} =$ _____

⑭ $\frac{70}{28} =$ _____

⑮ $\frac{140}{77} =$ _____

⑯ $\frac{36}{21} =$ _____

⑰ $\frac{91}{42} =$ _____

⑱ $\frac{112}{72} =$ _____

⑲ $\frac{216}{88} =$ _____

⑳ $\frac{50}{40} =$ _____

Score: _____

3.1.2 Comparing Fractions 3

① $\frac{27}{90} \square \frac{2}{9}$

② $\frac{1}{7} \square \frac{6}{8}$

③ $\frac{4}{11} \square \frac{6}{12}$

④ $\frac{8}{12} \square \frac{12}{32}$

⑤ $\frac{18}{54} \square \frac{8}{24}$

⑥ $\frac{4}{6} \square \frac{2}{4}$

⑦ $\frac{16}{64} \square \frac{2}{3}$

⑧ $\frac{1}{12} \square \frac{1}{9}$

⑨ $\frac{1}{3} \square \frac{1}{2}$

⑩ $\frac{1}{2} \square \frac{4}{7}$

⑪ $\frac{32}{36} \square \frac{5}{8}$

⑫ $\frac{36}{54} \square \frac{5}{9}$

⑬ $\frac{49}{70} \square \frac{1}{4}$

⑭ $\frac{80}{120} \square \frac{3}{12}$

⑮ $\frac{4}{5} \square \frac{3}{5}$

⑯ $\frac{5}{10} \square \frac{3}{11}$

⑰ $\frac{10}{45} \square \frac{5}{7}$

⑱ $\frac{3}{7} \square \frac{7}{11}$

⑲ $\frac{10}{12} \square \frac{2}{12}$

⑳ $\frac{25}{30} \square \frac{8}{10}$

㉑ $\frac{3}{12} \square \frac{20}{70}$

Score:

3.1.3 Adding Fractions 3

$$\textcircled{1} \frac{2}{6} + 1\frac{1}{2} = \underline{\hspace{10cm}}$$

$$\textcircled{2} 1\frac{6}{7} + \frac{2}{4} = \underline{\hspace{10cm}}$$

$$\textcircled{3} 1\frac{4}{5} + \frac{5}{6} = \underline{\hspace{10cm}}$$

$$\textcircled{4} \frac{1}{2} + 1\frac{1}{3} = \underline{\hspace{10cm}}$$

$$\textcircled{5} 1\frac{1}{5} + \frac{2}{3} = \underline{\hspace{10cm}}$$

$$\textcircled{6} 1\frac{3}{6} + \frac{1}{6} = \underline{\hspace{10cm}}$$

$$\textcircled{7} \frac{1}{4} + \frac{1}{4} = \underline{\hspace{10cm}}$$

$$\textcircled{8} \frac{1}{7} + 1\frac{5}{7} = \underline{\hspace{10cm}}$$

$$\textcircled{9} 1\frac{3}{7} + 1\frac{4}{5} = \underline{\hspace{10cm}}$$

$$\textcircled{10} 1\frac{2}{7} + 1\frac{2}{5} = \underline{\hspace{10cm}}$$

Score:

3.1.4 Subtracting Fractions 3

$$\textcircled{1} \quad 1\frac{3}{5} - \frac{2}{5} = \underline{\hspace{10em}}$$

$$\textcircled{2} \quad \frac{2}{5} - \frac{1}{3} = \underline{\hspace{10em}}$$

$$\textcircled{3} \quad 1\frac{1}{4} - \frac{1}{6} = \underline{\hspace{10em}}$$

$$\textcircled{4} \quad 1\frac{2}{6} - \frac{1}{4} = \underline{\hspace{10em}}$$

$$\textcircled{5} \quad \frac{1}{2} - \frac{1}{3} = \underline{\hspace{10em}}$$

$$\textcircled{6} \quad \frac{2}{4} - \frac{2}{5} = \underline{\hspace{10em}}$$

$$\textcircled{7} \quad \frac{3}{4} - \frac{3}{5} = \underline{\hspace{10em}}$$

$$\textcircled{8} \quad 1\frac{4}{6} - \frac{2}{6} = \underline{\hspace{10em}}$$

$$\textcircled{9} \quad 1\frac{4}{5} - \frac{5}{6} = \underline{\hspace{10em}}$$

$$\textcircled{10} \quad 1\frac{2}{3} - \frac{1}{3} = \underline{\hspace{10em}}$$

Score:

3.1.5 Multiplying Fractions 3

$$\textcircled{1} \quad 1\frac{1}{2} \times \frac{1}{3} = \underline{\hspace{10cm}}$$

$$\textcircled{2} \quad \frac{1}{5} \times 1\frac{1}{2} = \underline{\hspace{10cm}}$$

$$\textcircled{3} \quad \frac{2}{3} \times 1\frac{2}{3} = \underline{\hspace{10cm}}$$

$$\textcircled{4} \quad \frac{1}{3} \times \frac{4}{5} = \underline{\hspace{10cm}}$$

$$\textcircled{5} \quad \frac{3}{4} \times 1\frac{3}{5} = \underline{\hspace{10cm}}$$

$$\textcircled{6} \quad \frac{2}{4} \times 1\frac{3}{4} = \underline{\hspace{10cm}}$$

$$\textcircled{7} \quad \frac{3}{5} \times \frac{1}{5} = \underline{\hspace{10cm}}$$

$$\textcircled{8} \quad 1\frac{4}{5} \times \frac{2}{5} = \underline{\hspace{10cm}}$$

$$\textcircled{9} \quad \frac{1}{4} \times 1\frac{2}{4} = \underline{\hspace{10cm}}$$

$$\textcircled{10} \quad 1\frac{2}{5} \times \frac{1}{4} = \underline{\hspace{10cm}}$$

Score: _____

3.1.6 Dividing Fractions 3

$$\textcircled{1} \frac{1}{2} \div \frac{2}{3} = \underline{\hspace{10cm}}$$

$$\textcircled{2} 1\frac{2}{3} \div 1\frac{3}{5} = \underline{\hspace{10cm}}$$

$$\textcircled{3} 1\frac{2}{4} \div \frac{1}{2} = \underline{\hspace{10cm}}$$

$$\textcircled{4} \frac{1}{3} \div 1\frac{3}{4} = \underline{\hspace{10cm}}$$

$$\textcircled{5} \frac{1}{4} \div 1\frac{1}{4} = \underline{\hspace{10cm}}$$

$$\textcircled{6} 1\frac{3}{4} \div \frac{2}{4} = \underline{\hspace{10cm}}$$

$$\textcircled{7} 1\frac{3}{5} \div \frac{4}{5} = \underline{\hspace{10cm}}$$

$$\textcircled{8} 1\frac{2}{5} \div \frac{1}{3} = \underline{\hspace{10cm}}$$

$$\textcircled{9} \frac{1}{5} \div \frac{1}{5} = \underline{\hspace{10cm}}$$

$$\textcircled{10} 1\frac{4}{5} \div 1\frac{2}{5} = \underline{\hspace{10cm}}$$

Score: _____

3.2 Topic 2 — Number Problems

3.2.1 Number Problems 1

- ① _____ The quotient of a number and three is 8. Find the number.
- ② _____ Seven times a number diminished by 45 is 11. Find the number.
- ③ _____ The quotient of a number and two increased by 5 is 13. What is the number?
- ④ _____ One-third of a number increased by 1 is 2. What is the number?
- ⑤ _____ Four-fifths of a number diminished by 2 is 2. Find the number.
- ⑥ _____ Seven times a number increased by 5 is 19. Find the number.
- ⑦ _____ The product of nine and a number is 72. What is the number?
- ⑧ _____ One number is nine times another. Their sum is 80. Find the numbers.
- ⑨ _____ The quotient of a number and four is 3. Find the number.
- ⑩ _____ Eight times a number diminished by 2 is 38. Find the number.

Score: _____

3.2.2 Number Problems 2

- ① _____ The quotient of a number and eight increased by 3 is 9. What is the number?
- ② _____ Six times a number increased by 7 is 37. Find the number.
- ③ _____ One-third of a number increased by 2 is 5. What is the number?
- ④ _____ Six more than eight times a number is 22. What is the number?
- ⑤ _____ One less than seven times a number is 62. Find the number.
- ⑥ _____ Twice a number diminished by 5 is 5. Find the number.
- ⑦ _____ One number is ten times another. Their sum is 88. Find the numbers.
- ⑧ _____ One-fifth of a number decreased by 2 is -1. Find the number.
- ⑨ _____ The product of seven and a number is 49. What is the number?
- ⑩ _____ The quotient of a number and eight is 5. Find the number.

Score: _____

3.3 Topic 3 — Decimals

1. Adding Decimals:

(a) $12.5 + 23.8 =$ _____

(b) $10.8 + 8.62 =$ _____

(c) $1.25 + 25.5 =$ _____

(d) $12.06 + 2.4 =$ _____

(e) $102.8 + 0.2 =$ _____

2. Subtracting Decimals:

(a) $26.8 - 14.6 =$ _____

(b) $82.4 - 24.6 =$ _____

(c) $16.5 - 2.25 =$ _____

(d) $10.08 - 2.4 =$ _____

(e) $108.2 - 0.4 =$ _____

3. Multiplying Decimals:

(a) $10.5 \times 2.5 =$ _____

(b) $2.5 \times 2.04 =$ _____

(c) $1.05 \times 0.4 =$ _____

(d) $125 \times 0.8 =$ _____

(e) $8 \times 0.125 =$ _____

4. Dividing Decimals:

(a) $12.6 \div 4 =$ _____

(b) $100 \div 0.8 =$ _____

(c) $28 \div 0.07 =$ _____

(d) $128 \div 0.5 =$ _____

(e) $12.8 \div 0.2 =$ _____

3.4 Topic 4 — Percentages**3.4.1 Percentages 5**

① _____ of 30 = 3

② _____ of 76 = 19

③ _____ of 24 = 6

④ _____ of 80 = 8

⑤ _____ of 32 = 16

⑥ _____ of 18 = 9

⑦ _____ of 80 = 20

⑧ _____ of 6 = 3

⑨ _____ of 40 = 20

⑩ _____ of 50 = 5

⑪ _____ of 160 = 16

⑫ _____ of 45 = 9

⑬ _____ of 35 = 7

⑭ _____ of 80 = 8

⑮ _____ of 4 = 1

⑯ _____ of 36 = 18

⑰ _____ of 80 = 8

⑱ _____ of 100 = 20

⑲ _____ of 12 = 3

⑳ _____ of 65 = 13

Score: _____

3.4.2 Percentages 6

① 25% of ___ = 9

② 10% of ___ = 7

③ 10% of ___ = 16

④ 50% of ___ = 20

⑤ 50% of ___ = 12

⑥ 20% of ___ = 17

⑦ 50% of ___ = 4

⑧ 50% of ___ = 13

⑨ 25% of ___ = 2

⑩ 50% of ___ = 4

⑪ 20% of ___ = 17

⑫ 20% of ___ = 3

⑬ 20% of ___ = 12

⑭ 25% of ___ = 8

⑮ 25% of ___ = 17

⑯ 10% of ___ = 16

⑰ 25% of ___ = 2

⑱ 25% of ___ = 16

⑲ 10% of ___ = 17

⑳ 20% of ___ = 14

Score:

3.5 Quiz 3**3.5.1 Part A — 10 Multiple Choice Questions (1 mark each)**

1. $12 - 0.01$ is equal to?
(A) 12.19 (B) 11.99 (C) 11.09 (D) 11.91

2. 0.25×1.2 is equal to
(A) 0.03 (B) 0.3 (C) 0.4 (D) 0.6

3. $4 \times 5 \times 0.02$ is equal to
(A) 4 (B) 0.4 (C) 40 (D) 0.42

4. $1.12 - 0.8 + 0.2$ is equal to
(A) 0.12 (B) 0.42 (C) 0.52 (D) 0.46

5. Which is the large 5% of 120 or 120% of 5?
(A) 5% of 120 (B) 120% of 5 (C) They are equal (D) none of these

6. $6 \div 0.24$ is equal to
(A) 20 (B) 24 (C) 22 (D) 25

7. What is three quarters of 600?
(A) 150 (B) 300 (C) 450 (D) 500

8. Which of the following expressions is the same as $1\frac{3}{10}$?
(A) $3 \times \frac{1}{10}$ (B) 13×10 (C) $13 \div 10$ (D) $13 \div \frac{1}{10}$

9. $2^2 \times 3^2$
(A) 24 (B) 28 (C) 36 (D) 32

10. The angle between the hands of a clock at 2 o'clock is:
(A) 20 degrees (B) 30 degrees (C) 45 degrees (D) 60 degrees

3.5.2 Part B — 10 Average Questions (2 marks each)

1. The product of three numbers is 1155. Two of them are 7 and 11. What is the third number?

2. A shopkeeper bought 30 boxes of oranges at \$12.50 per box and sold them for \$16.40 per box. What was his profit?

3. Find two numbers whose sum is 19 and product is 84.

4. How many 5 cm lengths of rope can be cut from a length of $1\frac{1}{4}$ m?

5. One metre of ribbon costs \$1.50. What is the cost of 40 cm?

6. If you cut an apple into halves and then cut each half into half again and then cut the remaining pieces into half again, what fraction of the apple are the small pieces now?

7. How many minutes would it take a train a half kilometre long to go through a tunnel one kilometre long if it moves at 60 kilometres per hour?

8. The sum of five consecutive numbers is 95. Find the largest number.

9. A pair of glasses and a case cost \$28. If the glasses costs \$25 more than the case. How much does the case cost?

10. I am 3 times the sum of 18 and 61. What am I?

3.5.3 Part C — 10 Extension Questions (3 marks each)

1. Ann has \$716 and Barry has \$285 less. How much money do Ann and Barry have altogether?

2. Ann has \$716 and Sarah has \$285 more. How much do Ann and Sarah have altogether?

3. Ann has \$716, which is \$285 less than Tom has. How much do Ann and Tom have altogether?

4. Ann has \$716, which is \$285 more than Suzy has. How much do Ann and Suzy have altogether?

5. Ted had \$716 and Sam has \$285. How much money should Ted give to Sam so that they both have the same amount?

6. Lisa has collected 516 shells. She gave one quarter of the shells to Alice and one third of them to Julia. How many shells did Lisa have left?

7. Daniel bought 5 pairs of sports socks for \$7.75. James bought 6 pairs of the same kind of socks. How much did James pay?

8. A floor tile is 205 mm wide. How wide is the utility room if 9 tiles laid end to end are needed for each row?

9. 4 sacks of wheat weigh 304 kg altogether. How much wheat, on average, is in each sack?

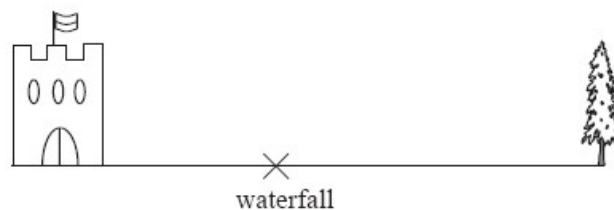
10. Mary had a length of ribbon which measured 9 m 24 cm. She cut 4 pieces from it, each 124 cm long. What length of ribbon was left?

3.5.4 Part D — 8 Challenging Questions (5 marks each)

1. In a school hall, there are 332 chairs stacked against the wall. They have to be arranged in 8 rows, with the same number of chairs in each row. If 12 chairs are broken, how many chairs will be in each row?

2. Every time we breathe in, we take about half a litre of air into our lungs. We take a breath about 20 times every minutes. How much air do we breathe in during 30 minutes?

3. The castle is 9 km 68 m from the forest. There is a waterfall between the castle and the forest. If 2 km 456 m nearer to the castle than to the forest. How far away is the waterfall from the castle?



4. Workmen are laying square floor tiles on the kitchen floor. They can fit 14 tiles along one side of the kitchen and 30 tiles along the adjoining side. How many tiles are needed to cover the floor?

5. Sam Snail was invited to his friend's house, which is 804 m from Sam's house. Sam left home at 8 a.m. He arrived after 11 a.m. but before 12 noon.

(a) What is the least number of metres that Sam could have gone every hour?

(b) What is the most number of metres that Sam could have gone every hour?

6. Three sons were left \$10,000 in their father's will. The eldest was left \$100 more than each of the other two sons. How much money did each of the sons receive?

7. David bought a washing machine for \$521 and a spin drier for \$278 less. He gave the cashier \$800 in cash. How much change was he given?

8. The average of five numbers is 14. Suppose 8 is added to the five numbers. What is the average of the six numbers?
