Year 4 Term 2 Homework

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

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1 Year 4 Term 2 Week 1 Homework

1.1 Topic 1 — Fractions

1.1.1 Simplifying Fractions 1

① $\frac{10}{60}$ = _____

② $\frac{27}{63}$ = _____

③ $\frac{6}{8}$ = _____

④ $\frac{54}{72}$ = _____

⑤ $\frac{10}{12}$ = _____

⑥ $\frac{10}{24}$ = _____

⑦ $\frac{8}{48}$ = _____

⑧ $\frac{9}{45}$ = _____

⑨ $\frac{72}{99}$ = _____

⑩ $\frac{20}{22}$ = _____

⑪ $\frac{12}{18}$ = _____

⑫ $\frac{8}{72}$ = _____

⑬ $\frac{12}{36}$ = _____

⑭ $\frac{7}{28}$ = _____

⑮ $\frac{18}{54}$ = _____

⑯ $\frac{5}{35}$ = _____

⑰ $\frac{8}{10}$ = _____

⑱ $\frac{24}{36}$ = _____

⑲ $\frac{12}{27}$ = _____

⑳ $\frac{24}{88}$ = _____

Score:

1.1.2 Comparing Fractions 1

① $\frac{2}{4}$ ☐ $\frac{1}{5}$ ② $\frac{4}{5}$ ☐ $\frac{2}{3}$ ③ $\frac{1}{2}$ ☐ $\frac{2}{4}$

④ $\frac{3}{4}$ ☐ $\frac{4}{7}$ ⑤ $\frac{1}{6}$ ☐ $\frac{1}{3}$ ⑥ $\frac{5}{6}$ ☐ $\frac{5}{7}$

⑦ $\frac{3}{5}$ ☐ $\frac{1}{4}$ ⑧ $\frac{1}{4}$ ☐ $\frac{4}{5}$ ⑨ $\frac{2}{5}$ ☐ $\frac{5}{6}$

⑩ $\frac{2}{3}$ ☐ $\frac{1}{2}$ ⑪ $\frac{5}{7}$ ☐ $\frac{3}{7}$ ⑫ $\frac{6}{7}$ ☐ $\frac{3}{4}$

⑬ $\frac{1}{3}$ ☐ $\frac{4}{6}$ ⑭ $\frac{3}{6}$ ☐ $\frac{3}{6}$ ⑮ $\frac{1}{7}$ ☐ $\frac{2}{5}$

⑯ $\frac{1}{5}$ ☐ $\frac{6}{7}$ ⑰ $\frac{2}{7}$ ☐ $\frac{1}{6}$ ⑱ $\frac{4}{6}$ ☐ $\frac{2}{6}$

⑲ $\frac{2}{6}$ ☐ $\frac{3}{5}$ ⑳ $\frac{4}{7}$ ☐ $\frac{1}{7}$ ㉑ $\frac{5}{7}$ ☐ $\frac{2}{7}$

Score:

1.1.3 Adding Fractions 1

① $\frac{3}{8} + \frac{1}{8} =$ _____

② $\frac{1}{9} + \frac{5}{7} =$ _____

③ $\frac{3}{5} + \frac{5}{9} =$ _____

④ $\frac{2}{4} + \frac{1}{5} =$ _____

⑤ $\frac{3}{4} + \frac{2}{9} =$ _____

⑥ $\frac{4}{6} + \frac{4}{5} =$ _____

⑦ $\frac{7}{8} + \frac{4}{6} =$ _____

⑧ $\frac{3}{9} + \frac{1}{6} =$ _____

⑨ $\frac{1}{5} + \frac{2}{3} =$ _____

⑩ $\frac{1}{2} + \frac{7}{8} =$ _____

⑪ $\frac{1}{3} + \frac{3}{5} =$ _____

⑫ $\frac{2}{5} + \frac{7}{9} =$ _____

⑬ $\frac{2}{3} + \frac{1}{2} =$ _____

⑭ $\frac{6}{9} + \frac{2}{5} =$ _____

⑮ $\frac{6}{7} + \frac{3}{6} =$ _____

⑯ $\frac{1}{4} + \frac{1}{3} =$ _____

⑰ $\frac{5}{8} + \frac{2}{4} =$ _____

⑱ $\frac{4}{5} + \frac{5}{8} =$ _____

⑲ $\frac{5}{9} + \frac{6}{9} =$ _____

⑳ $\frac{3}{6} + \frac{3}{4} =$ _____

Score:

1.1.4 Subtracting Fractions 1

① $\frac{1}{2} - \frac{2}{7} =$ _____

② $\frac{2}{4} - \frac{1}{6} =$ _____

③ $\frac{1}{3} - \frac{1}{4} =$ _____

④ $\frac{2}{3} - \frac{1}{7} =$ _____

⑤ $\frac{2}{5} - \frac{2}{6} =$ _____

⑥ $\frac{1}{6} - \frac{1}{7} =$ _____

⑦ $\frac{3}{5} - \frac{3}{7} =$ _____

⑧ $\frac{4}{6} - \frac{4}{7} =$ _____

⑨ $\frac{2}{6} - \frac{2}{7} =$ _____

⑩ $\frac{6}{7} - \frac{3}{6} =$ _____

⑪ $\frac{5}{7} - \frac{5}{8} =$ _____

⑫ $\frac{3}{7} - \frac{3}{8} =$ _____

⑬ $\frac{1}{7} - \frac{1}{8} =$ _____

⑭ $\frac{3}{6} - \frac{3}{7} =$ _____

⑮ $\frac{4}{7} - \frac{4}{8} =$ _____

⑯ $\frac{1}{4} - \frac{1}{5} =$ _____

⑰ $\frac{1}{5} - \frac{1}{6} =$ _____

⑱ $\frac{2}{7} - \frac{1}{5} =$ _____

⑲ $\frac{4}{5} - \frac{2}{6} =$ _____

⑳ $\frac{3}{4} - \frac{1}{3} =$ _____

Score:

1.1.5 Multiplying Fractions 1

① $\frac{3}{4} \times \frac{1}{4} =$ _____

② $\frac{1}{3} \times \frac{2}{3} =$ _____

③ $\frac{4}{5} \times \frac{4}{6} =$ _____

④ $\frac{1}{2} \times \frac{1}{2} =$ _____

⑤ $\frac{2}{3} \times \frac{5}{6} =$ _____

⑥ $\frac{2}{4} \times \frac{4}{5} =$ _____

⑦ $\frac{5}{6} \times \frac{2}{4} =$ _____

⑧ $\frac{2}{6} \times \frac{1}{6} =$ _____

⑨ $\frac{1}{4} \times \frac{3}{4} =$ _____

⑩ $\frac{3}{6} \times \frac{1}{3} =$ _____

⑪ $\frac{1}{5} \times \frac{2}{5} =$ _____

⑫ $\frac{1}{6} \times \frac{3}{5} =$ _____

⑬ $\frac{4}{6} \times \frac{2}{6} =$ _____

⑭ $\frac{2}{5} \times \frac{3}{6} =$ _____

⑮ $\frac{1}{6} \times \frac{1}{5} =$ _____

⑯ $\frac{3}{5} \times \frac{2}{5} =$ _____

⑰ $\frac{2}{3} \times \frac{1}{2} =$ _____

⑱ $\frac{1}{4} \times \frac{2}{3} =$ _____

⑲ $\frac{1}{5} \times \frac{5}{6} =$ _____

⑳ $\frac{1}{3} \times \frac{2}{5} =$ _____

Score:

1.1.6 Dividing Fractions 1

① $\frac{1}{3} \div \frac{1}{7} =$ _____

② $\frac{1}{4} \div \frac{1}{5} =$ _____

③ $\frac{1}{2} \div \frac{3}{4} =$ _____

④ $\frac{3}{5} \div \frac{1}{2} =$ _____

⑤ $\frac{2}{3} \div \frac{1}{4} =$ _____

⑥ $\frac{4}{5} \div \frac{1}{3} =$ _____

⑦ $\frac{2}{4} \div \frac{2}{4} =$ _____

⑧ $\frac{1}{5} \div \frac{2}{3} =$ _____

⑨ $\frac{4}{7} \div \frac{3}{7} =$ _____

⑩ $\frac{5}{7} \div \frac{4}{7} =$ _____

Score:

1.2 Topic 2 — Decimals

1.2.1 Fraction to Decimal 1

① $\frac{2}{4}$ = _____ ② $\frac{1}{2}$ = _____ ③ $\frac{4}{8}$ = _____

④ $\frac{5}{8}$ = _____ ⑤ $\frac{1}{10}$ = _____ ⑥ $\frac{4}{5}$ = _____

⑦ $\frac{1}{4}$ = _____ ⑧ $\frac{3}{8}$ = _____ ⑨ $\frac{3}{4}$ = _____

⑩ $\frac{2}{5}$ = _____ ⑪ $\frac{7}{8}$ = _____ ⑫ $\frac{8}{10}$ = _____

⑬ $\frac{3}{5}$ = _____ ⑭ $\frac{7}{10}$ = _____ ⑮ $\frac{1}{8}$ = _____

⑯ $\frac{1}{5}$ = _____ ⑰ $\frac{6}{10}$ = _____ ⑱ $\frac{2}{8}$ = _____

⑲ $\frac{4}{10}$ = _____ ⑳ $\frac{9}{10}$ = _____ ㉑ $\frac{6}{8}$ = _____

Score:

1.2.2 Decimal to Fraction 1

① 0.4 = _____ ② 0.3 = _____ ③ 0.5 = _____

④ 0.1 = _____ ⑤ 0.25 = _____ ⑥ 0.5 = _____

⑦ 0.6 = _____ ⑧ 0.75 = _____ ⑨ 0.25 = _____

⑩ 0.6 = _____ ⑪ 0.35 = _____ ⑫ 0.5 = _____

⑬ 0.85 = _____ ⑭ 0.8 = _____ ⑮ 0.2 = _____

⑯ 0.7 = _____ ⑰ 0.4 = _____ ⑱ 0.5 = _____

⑲ 0.4 = _____ ⑳ 0.75 = _____ ㉑ 0.2 = _____

Score:

1.3 Topic 3 — Percentages

1.3.1 Percentages 1

① 50% of $24.00 = _____

② 10% of $50.00 = _____

③ 25% of $8.00 = _____

④ 20% of $85.00 = _____

⑤ 25% of $52.00 = _____

⑥ 25% of $72.00 = _____

⑦ 20% of $90.00 = _____

⑧ 50% of $22.00 = _____

⑨ 20% of $35.00 = _____

⑩ 20% of $10.00 = _____

⑪ 10% of $30.00 = _____

⑫ 50% of $12.00 = _____

⑬ 20% of $65.00 = _____

⑭ 25% of $52.00 = _____

⑮ 25% of $48.00 = _____

⑯ 10% of $30.00 = _____

⑰ 20% of $45.00 = _____

⑱ 50% of $14.00 = _____

⑲ 50% of $4.00 = _____

⑳ 25% of $32.00 = _____

Score:

1.3.2 Percentages 2

① 20% of $100.00 = _____

② 25% of $36.00 = _____

③ 50% of $12.00 = _____

④ 50% of $16.00 = _____

⑤ 10% of $180.00 = _____

⑥ 25% of $16.00 = _____

⑦ 25% of $32.00 = _____

⑧ 25% of $80.00 = _____

⑨ 50% of $6.00 = _____

⑩ 25% of $48.00 = _____

⑪ 25% of $60.00 = _____

⑫ 50% of $36.00 = _____

⑬ 25% of $16.00 = _____

⑭ 50% of $14.00 = _____

⑮ 50% of $32.00 = _____

⑯ 50% of $34.00 = _____

⑰ 25% of $4.00 = _____

⑱ 25% of $68.00 = _____

⑲ 50% of $34.00 = _____

⑳ 25% of $56.00 = _____

Score:

1.4 Topic 4 — Order of Operations

1.4.1 Order of Operations 1

① $(8 \times 7) - (4 + 5) =$ _____

② $5 + 2 \times 1 + 9 =$ _____

③ $2 + 9 \times 7 + 4 =$ _____

④ $9 \times 2 + 3 =$ _____

⑤ $(2 \times 7) - (3 + 1) =$ _____

⑥ $5 \times 1 + 9 =$ _____

⑦ $4 + 9 \times 7 + 3 =$ _____

⑧ $9 \times 3 + 4 =$ _____

⑨ $8 + 2 \times 3 + 1 =$ _____

⑩ $(6 + 8) \times (9 + 4) =$ _____

⑪ $5 \times (8 + 3) =$ _____

⑫ $7 + 1 \times 8 + 6 =$ _____

Score:

1.4.2 Order of Operations 2

① $(2 \times 3) - (8 + 10) =$ _____

② $9 \times 3 + 2 =$ _____

③ $4 + 11 \times 5 + 14 =$ _____

④ $(14 + 8) \times (3 + 7) =$ _____

⑤ $11 \times (9 + 2) =$ _____

⑥ $10 \times 8 + 4 =$ _____

⑦ $5 + 10 \times 9 + 2 =$ _____

⑧ $(12 \times 11) - (2 + 4) =$ _____

⑨ $(12 + 8) \times (7 + 9) =$ _____

⑩ $10 \times (4 + 14) =$ _____

⑪ $(14 + 11) \times (4 + 9) =$ _____

⑫ $10 \times (4 + 8) =$ _____

Score:

1.5 Quiz 1

1.5.1 Part A — 10 Multiple Choice Questions (1 mark each)

1. Which is the largest fraction?
   (A) $\frac{1}{2}$ (B) $\frac{1}{3}$ (C) $\frac{1}{4}$ (D) $\frac{1}{5}$

2. Half of 3 centuries equals
   (A) 30 years (B) 50 years (C)120 years (D) 150 years

3. Which calculation will give the next number in the series? 1.5, 2.0 2.5, 3.0, . . .
   (A) 1.5×2 (B) 4.5 - 1.5 (C) 3.0 + 0.5 (D) $5.0 \div 2.0$

4. 1256 rounded off to the nearest hundred is
   (A) 1260 (B) 1350 (C) 1300 (D) 1200

5. What number is represented by $(5 \times 1000) + (6 \times 100) + 12$?
   (A) 56012 (B) 6512 (C) 65012 (D) 5612

6. What is the product of the even numbers between 5 and 10?
   (A) 32 (B) 28 (C) 40 (D) 48

7. Jane got up at 7:15 a.m. and went to bed at 9 p.m. the same day. For how many hours was Jane awake?
   (A) 13 h and 45 min (B) 15 h 45 min (C) 15 h 15 min (D) 14 h 15 min

8. 125% of $125 equals
   (A) $15.63 (B) $156.25 (C) $125.25 (D) $16.25

9. Five friends meet after a holiday. They all shake hands with each other. How many handshakes will they make altogether?
   (A) 10 (B) 8 (C) 6 (D) 5

10. Miss Scott buys folders for the school canteen. If she can buy two folders for $5.00, how many folders could she buy for $75?
    (A) 18 (B) 25 (C) 30 (D) 40

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

1. If a cyclist travels at 22 km/h, how far would he travel in 4 hours?

2. The human heart beats about 70 times a minute. How many times would it beat in one hour?

3. A number is 6 less than 5 times 8. Find the number.

4. Find the difference between the sum of 140 and 234 and the sum of 456 and 567.

5. Subtract 26 from the difference of 97 and 23.

6. Insert grouping symbols to make the following sentence true.
$$9 + 5 \times 4 - 2 = 54$$

7. Two angles of a triangle are 56° and 45°. What is the size of the third angle?

8. The product of two numbers is 27 and if one of these is 3, what is the other number?

9. $(24 + 12) \div (4 + 5)$ =

10. What is the next prime number after 43?

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

1. Find the average of 25, 35, 45, and 55.

2. How many sides does a heptagon have?

3. How many degrees in a straight angle?

4. How many halves in $7\frac{1}{2}$?

5. What is the place value of 6 in 345,678?

6. Use the digits 2, 4, 5, 3, 7 once to write the largest three digit number.

7. Change $\frac{1}{8}$ to decimal.

8. Find the dividend if the divisor is 9 and the quotient is 5.

9. By how much does 1004 exceed 805?

10. Find the volume of a cube with edges of 16 cm.

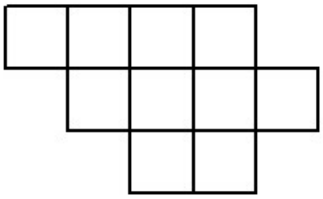
1.5.4 Part D — 8 Challenging Questions (5 marks each)

1. How far will Steven walk in 50 minutes if he walked at the rate of 9 km/h?

2. If a discount of 25% is given on an item selling for $50. What is actually paid for the item?

3. The circumference of a car tyre is 2 metres. If the tyre is revolving 5 times every 2 seconds, How far will the car travel in 3 minutes?

4. How many squares can you see from the figure shown below?



5. Peter wished to buy a laptop computer priced at $1,200. He pays one-fifth in cash and the rest in 6 equal monthly payments. How much must he pay each month?

6. A girl can type 8 words every 12 seconds. How many words would she type in $5\frac{1}{2}$ minutes?

7. If Tom can cut a log into 3 pieces in 6 minutes, how long will it take him to cut a similar log into 12 pieces?

8. A water tank that holds 2400 litres is $\frac{3}{4}$ full. If $\frac{1}{3}$ of the water is used, how many litres of water are left?

9. The average of five numbers is 4. A sixth number is added and the new average is 5. Find the sixth number.

10. The Reds beat the Blues in a football game. The sum of their scores was 44. The difference of their scores was 20. How many points did the Reds score?