

Year 4 Term 2 Homework

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

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2 Year 4 Term 2 Week 2 Homework

2.1 Topic 1 — Fractions

2.1.1 Simplifying Fractions 2

① $\frac{20}{12} =$ _____

② $\frac{36}{20} =$ _____

③ $\frac{85}{30} =$ _____

④ $\frac{171}{63} =$ _____

⑤ $\frac{140}{60} =$ _____

⑥ $\frac{160}{56} =$ _____

⑦ $\frac{48}{42} =$ _____

⑧ $\frac{10}{6} =$ _____

⑨ $\frac{70}{30} =$ _____

⑩ $\frac{36}{24} =$ _____

⑪ $\frac{54}{21} =$ _____

⑫ $\frac{96}{40} =$ _____

⑬ $\frac{18}{15} =$ _____

⑭ $\frac{26}{12} =$ _____

⑮ $\frac{80}{50} =$ _____

⑯ $\frac{90}{36} =$ _____

⑰ $\frac{28}{16} =$ _____

⑱ $\frac{63}{28} =$ _____

⑲ $\frac{27}{21} =$ _____

⑳ $\frac{34}{14} =$ _____

Score: _____

2.1.2 Comparing Fractions 2

① $\frac{4}{5} \square \frac{6}{7}$

② $\frac{1}{12} \square \frac{10}{11}$

③ $\frac{2}{4} \square \frac{3}{12}$

④ $\frac{2}{3} \square \frac{1}{5}$

⑤ $\frac{6}{7} \square \frac{3}{6}$

⑥ $\frac{4}{11} \square \frac{4}{12}$

⑦ $\frac{9}{10} \square \frac{9}{11}$

⑧ $\frac{2}{9} \square \frac{1}{9}$

⑨ $\frac{1}{2} \square \frac{1}{10}$

⑩ $\frac{5}{8} \square \frac{1}{7}$

⑪ $\frac{11}{12} \square \frac{4}{11}$

⑫ $\frac{4}{9} \square \frac{2}{3}$

⑬ $\frac{8}{10} \square \frac{1}{2}$

⑭ $\frac{5}{9} \square \frac{2}{7}$

⑮ $\frac{3}{6} \square \frac{2}{5}$

⑯ $\frac{3}{4} \square \frac{3}{9}$

⑰ $\frac{2}{5} \square \frac{7}{8}$

⑱ $\frac{7}{8} \square \frac{5}{7}$

⑲ $\frac{4}{8} \square \frac{3}{7}$

⑳ $\frac{2}{6} \square \frac{4}{6}$

㉑ $\frac{1}{5} \square \frac{9}{10}$

Score:

2.1.3 Adding Fractions 2

① $\frac{2}{9} + \frac{2}{3} =$ _____

② $\frac{1}{3} + \frac{1}{7} =$ _____

③ $\frac{3}{9} + \frac{9}{10} =$ _____

④ $\frac{2}{3} + \frac{1}{6} =$ _____

⑤ $\frac{5}{6} + \frac{1}{2} =$ _____

⑥ $\frac{7}{8} + \frac{4}{10} =$ _____

⑦ $\frac{4}{6} + \frac{8}{9} =$ _____

⑧ $\frac{4}{5} + \frac{2}{11} =$ _____

⑨ $\frac{5}{11} + \frac{4}{9} =$ _____

⑩ $\frac{3}{8} + \frac{6}{9} =$ _____

⑪ $\frac{3}{7} + \frac{3}{11} =$ _____

⑫ $\frac{1}{2} + \frac{1}{3} =$ _____

⑬ $\frac{1}{6} + \frac{2}{5} =$ _____

⑭ $\frac{2}{4} + \frac{2}{4} =$ _____

⑮ $\frac{2}{6} + \frac{3}{9} =$ _____

⑯ $\frac{5}{10} + \frac{7}{9} =$ _____

⑰ $\frac{10}{11} + \frac{4}{7} =$ _____

⑱ $\frac{2}{5} + \frac{2}{8} =$ _____

⑲ $\frac{1}{10} + \frac{5}{8} =$ _____

⑳ $\frac{5}{7} + \frac{1}{9} =$ _____

Score: _____

2.1.4 Subtracting Fractions 2

① $\frac{1}{4} - \frac{1}{5} =$ _____

② $\frac{1}{2} - \frac{1}{3} =$ _____

③ $\frac{8}{9} - \frac{2}{4} =$ _____

④ $\frac{3}{5} - \frac{1}{2} =$ _____

⑤ $\frac{2}{3} - \frac{1}{6} =$ _____

⑥ $\frac{4}{5} - \frac{3}{9} =$ _____

⑦ $\frac{5}{6} - \frac{1}{4} =$ _____

⑧ $\frac{1}{6} - \frac{1}{7} =$ _____

⑨ $\frac{1}{7} - \frac{1}{8} =$ _____

⑩ $\frac{2}{8} - \frac{1}{7} =$ _____

⑪ $\frac{7}{8} - \frac{3}{7} =$ _____

⑫ $\frac{1}{3} - \frac{1}{4} =$ _____

⑬ $\frac{7}{9} - \frac{3}{5} =$ _____

⑭ $\frac{3}{4} - \frac{3}{5} =$ _____

⑮ $\frac{5}{7} - \frac{5}{8} =$ _____

⑯ $\frac{4}{9} - \frac{2}{8} =$ _____

⑰ $\frac{3}{6} - \frac{3}{7} =$ _____

⑱ $\frac{3}{8} - \frac{3}{9} =$ _____

⑲ $\frac{4}{7} - \frac{2}{7} =$ _____

⑳ $\frac{2}{4} - \frac{1}{8} =$ _____

Score: _____

2.1.5 Multiplying Fractions 2

① $\frac{2}{4} \times \frac{3}{7} =$ _____

② $\frac{4}{6} \times \frac{7}{8} =$ _____

③ $\frac{1}{2} \times \frac{1}{6} =$ _____

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

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

⑥ $\frac{2}{3} \times \frac{4}{8} =$ _____

⑦ $\frac{2}{8} \times \frac{4}{6} =$ _____

⑧ $\frac{3}{4} \times \frac{3}{4} =$ _____

⑨ $\frac{3}{5} \times \frac{2}{3} =$ _____

⑩ $\frac{7}{8} \times \frac{1}{4} =$ _____

⑪ $\frac{5}{6} \times \frac{4}{5} =$ _____

⑫ $\frac{1}{6} \times \frac{2}{8} =$ _____

⑬ $\frac{5}{8} \times \frac{2}{4} =$ _____

⑭ $\frac{2}{5} \times \frac{5}{7} =$ _____

⑮ $\frac{4}{8} \times \frac{3}{5} =$ _____

⑯ $\frac{6}{8} \times \frac{1}{3} =$ _____

⑰ $\frac{3}{6} \times \frac{5}{6} =$ _____

⑱ $\frac{1}{5} \times \frac{5}{8} =$ _____

⑲ $\frac{1}{3} \times \frac{1}{5} =$ _____

⑳ $\frac{4}{5} \times \frac{2}{7} =$ _____

Score: _____

2.1.6 Dividing Fractions 2

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

$$\textcircled{2} \frac{3}{10} \div \frac{2}{9} = \underline{\hspace{10cm}}$$

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

$$\textcircled{4} \frac{6}{9} \div \frac{6}{9} = \underline{\hspace{10cm}}$$

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

$$\textcircled{6} \frac{3}{5} \div \frac{7}{10} = \underline{\hspace{10cm}}$$

$$\textcircled{7} \frac{5}{8} \div \frac{1}{2} = \underline{\hspace{10cm}}$$

$$\textcircled{8} \frac{1}{5} \div \frac{3}{4} = \underline{\hspace{10cm}}$$

$$\textcircled{9} \frac{1}{4} \div \frac{2}{7} = \underline{\hspace{10cm}}$$

$$\textcircled{10} \frac{1}{8} \div \frac{5}{9} = \underline{\hspace{10cm}}$$

Score: _____

2.2 Topic 2 — Decimals**2.2.1 Fraction to Decimal 2**

$$\textcircled{1} \frac{19}{20} = \underline{\hspace{2cm}} \quad \textcircled{2} \frac{1}{2} = \underline{\hspace{2cm}} \quad \textcircled{3} \frac{3}{5} = \underline{\hspace{2cm}}$$

$$\textcircled{4} \frac{3}{8} = \underline{\hspace{2cm}} \quad \textcircled{5} \frac{3}{25} = \underline{\hspace{2cm}} \quad \textcircled{6} \frac{11}{20} = \underline{\hspace{2cm}}$$

$$\textcircled{7} \frac{16}{20} = \underline{\hspace{2cm}} \quad \textcircled{8} \frac{9}{50} = \underline{\hspace{2cm}} \quad \textcircled{9} \frac{22}{25} = \underline{\hspace{2cm}}$$

$$\textcircled{10} \frac{4}{8} = \underline{\hspace{2cm}} \quad \textcircled{11} \frac{1}{4} = \underline{\hspace{2cm}} \quad \textcircled{12} \frac{1}{25} = \underline{\hspace{2cm}}$$

$$\textcircled{13} \frac{19}{25} = \underline{\hspace{2cm}} \quad \textcircled{14} \frac{10}{25} = \underline{\hspace{2cm}} \quad \textcircled{15} \frac{20}{100} = \underline{\hspace{2cm}}$$

$$\textcircled{16} \frac{50}{100} = \underline{\hspace{2cm}} \quad \textcircled{17} \frac{5}{10} = \underline{\hspace{2cm}} \quad \textcircled{18} \frac{3}{4} = \underline{\hspace{2cm}}$$

$$\textcircled{19} \frac{4}{25} = \underline{\hspace{2cm}} \quad \textcircled{20} \frac{2}{5} = \underline{\hspace{2cm}} \quad \textcircled{21} \frac{12}{50} = \underline{\hspace{2cm}}$$

Score: _____

2.2.2 Decimal to Fraction 2

$① \quad 0.12 = \underline{\hspace{2cm}}$

$② \quad 0.3 = \underline{\hspace{2cm}}$

$③ \quad 0.5 = \underline{\hspace{2cm}}$

$④ \quad 0.4 = \underline{\hspace{2cm}}$

$⑤ \quad 0.24 = \underline{\hspace{2cm}}$

$⑥ \quad 0.25 = \underline{\hspace{2cm}}$

$⑦ \quad 0.6 = \underline{\hspace{2cm}}$

$⑧ \quad 0.96 = \underline{\hspace{2cm}}$

$⑨ \quad 0.08 = \underline{\hspace{2cm}}$

$⑩ \quad 0.8 = \underline{\hspace{2cm}}$

$⑪ \quad 0.52 = \underline{\hspace{2cm}}$

$⑫ \quad 0.2 = \underline{\hspace{2cm}}$

$⑬ \quad 0.6 = \underline{\hspace{2cm}}$

$⑭ \quad 0.5 = \underline{\hspace{2cm}}$

$⑮ \quad 0.2 = \underline{\hspace{2cm}}$

$⑯ \quad 0.35 = \underline{\hspace{2cm}}$

$⑰ \quad 0.7 = \underline{\hspace{2cm}}$

$⑱ \quad 0.7 = \underline{\hspace{2cm}}$

$⑲ \quad 0.5 = \underline{\hspace{2cm}}$

$⑳ \quad 0.85 = \underline{\hspace{2cm}}$

$\textcirc{21} \quad 0.5 = \underline{\hspace{2cm}}$

Score: _____

2.3 Topic 3 — Percentages**2.3.1 Percentages 3**

① 25% of 32 = _____

② 50% of 24 = _____

③ 25% of 16 = _____

④ 25% of 36 = _____

⑤ 10% of 170 = _____

⑥ 10% of 60 = _____

⑦ 10% of 150 = _____

⑧ 25% of 56 = _____

⑨ 20% of 35 = _____

⑩ 10% of 120 = _____

⑪ 10% of 140 = _____

⑫ 25% of 72 = _____

⑬ 10% of 110 = _____

⑭ 25% of 64 = _____

⑮ 10% of 60 = _____

⑯ 20% of 85 = _____

⑰ 50% of 32 = _____

⑱ 50% of 36 = _____

⑲ 10% of 140 = _____

⑳ 50% of 18 = _____

Score:

2.3.2 Percentages 4

① 50% of 26 = _____

② 50% of 8 = _____

③ 10% of 100 = _____

④ 20% of 40 = _____

⑤ 25% of 20 = _____

⑥ 25% of 20 = _____

⑦ 20% of 85 = _____

⑧ 25% of 44 = _____

⑨ 25% of 16 = _____

⑩ 20% of 95 = _____

⑪ 10% of 160 = _____

⑫ 50% of 40 = _____

⑬ 25% of 40 = _____

⑭ 20% of 50 = _____

⑮ 50% of 26 = _____

⑯ 20% of 60 = _____

⑰ 25% of 32 = _____

⑱ 20% of 20 = _____

⑲ 20% of 10 = _____

⑳ 50% of 26 = _____

Score: _____

2.4 Topic 4 — Order of Operations**2.4.1 Order of Operations 3**

① $(11 \times 10) - (7 + 3) =$ _____

② $7 + 8 \times 3 + 4 =$ _____

③ $7 \times 5 + 9 =$ _____

④ $3 \times (7 + 6) =$ _____

⑤ $(7 + 9) \times (8 + 11) =$ _____

⑥ $6 \times 11 + 4 =$ _____

⑦ $8 \times (3 + 11) =$ _____

⑧ $6 \times (7 + 10) =$ _____

⑨ $(3 + 10) \times (8 + 5) =$ _____

⑩ $9 \times 7 + 3 =$ _____

⑪ $3 + 5 \times 10 + 6 =$ _____

⑫ $8 \times (7 + 4) =$ _____

Score:

2.4.2 Order of Operations 4

① $(2 + 4) \times (1 + 3) =$ _____

② $(9 + 4) \times (10 + 6) =$ _____

③ $(7 \times 4) - (3 + 9) =$ _____

④ $(1 + 5) \times (10 + 9) =$ _____

⑤ $(6 \times 8) - (1 + 5) =$ _____

⑥ $(3 + 11) \times (9 + 10) =$ _____

⑦ $(3 + 6) \times (8 + 1) =$ _____

⑧ $(10 + 3) \times (5 + 9) =$ _____

⑨ $11 \times (7 + 1) =$ _____

⑩ $(4 \times 5) - (2 + 7) =$ _____

⑪ $2 + 8 \times 7 + 11 =$ _____

⑫ $6 + 1 \times 11 + 10 =$ _____

Score:

2.5 Quiz 2**2.5.1 Part A — 10 Multiple Choice Questions (1 mark each)**

1. Which is the largest fraction?

- (A) $\frac{3}{8}$ (B) $\frac{4}{9}$ (C) $\frac{4}{7}$ (D) $\frac{1}{2}$

2. 45% of \$150 equals

- (A) \$56.50 (B) \$67.50 (C) \$75.50 (D) \$76.50

3. Which number is 50 more than half a million?

- (A) 5050 (B) 50050 (C) 500500 (D) 500050

4. The largest number is

- (A) 0.34 (B) 0.43 (C) 0.28 (D) 0.82

5. What number is represented by $(6 \times 1000) + (4 \times 100) +$ three tens ?

- (A) 64300 (B) 64030 (C) 6430 (D) 6403

6. How much would each person get if \$250 was shared between 8 people?

- (A) \$32.50 (B) \$32.25 (C) \$31.25 (D) \$31.50

7. A piece of timber is 12 m long. How many cuts must be made to cut it into 1.5 m lengths?

- (A) 5 (B) 6 (C) 7 (D) 8

8. The average age of 3 girls Jane, Jessica and Anna's age is 9 years. If Jane's age is 12 years and Jessica is 8 years old, then Anna's age is:

- (A) 7 (B) 8 (C) 10 (D) 12

9. If $\frac{3}{8}$ of a number is 24, the number is:

- (A) 9 (B) 32 (C) 64 (D) 72

10. The number of times the hour hand of a clock rotates in the month of April is?

- (A) 24 (B) 48 (C) 60 (D) 720

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

1. If a cyclist travels at 21 km/h, how far would he travel in $3\frac{1}{2}$ hours?

2. In a class of 29 students, there are 5 more girls than boys, How many girls are in the class?

3. A number is 7 more than 15 times 8. Find the number.

4. The sum of $\frac{3}{4}$ and $\frac{1}{2}$ is multiplied by 8. What is the result?

5. Subtract 106 from the sum of 97 and 23.

6. Insert the grouping symbols to make the following sentence true.

$$16 + 10 \div 8 - 6 = 21$$

7. Two angles of a triangle are 124° and 25° . What is the size of the third angle?

8. Seven times a number increased by 6 is 90. Find the number.

9. The quotient of a number and eight increased by 2 is 4. What is the number?

10. What is the sum of the prime numbers between 10 to 30?

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

1. Four more than ten times a number is 34. What is the number?

2. Nine times a number diminished by 48 is 6. Find the number.

3. The product of two numbers is 18. One number is three less than the other. What are the numbers?

4. 60 marks out of 80; what percentage is this?

5. At an average speed of 40 km/h a car takes $1\frac{1}{2}$ hours to travel a certain distance. How long will it take if the car is travelling at 60 km/h?

6. The area of a rectangle is 135 cm^2 . Its length is 9 cm. What is its breadth?

7. Change $1\frac{1}{4}$ to decimal. _____

8. William won the 400 m race in a time of 1 minute 35 seconds. Raymond took 2 minutes 25 seconds. What was the difference between their times?

9. The store has flour in 600 gram packs for \$2.40 each and 900 gram packs for \$3.20 each. How much can Mary save by buying 3.6 kg of flour in 900 gram packs rather than in 600 gram packs?

10. Three consecutive whole numbers have a sum of 198. What is the largest number?

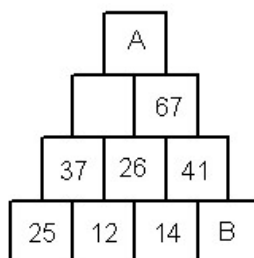
2.5.4 Part D — 8 Challenging Questions (5 marks each)

1. In another four years Ken will be three times as old as he was four years ago. If today is Ken's birthday, how old is he?

2. Dad said to my brother Joe: "When you are one third as old as I am, I shall buy you a second-hand motor car." Joe is now 12 and Dad is 56. When will Joe get his car?

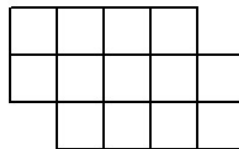
3. A tank was full of orange juice. The shopkeeper used $\frac{1}{4}$ of the juice by the end of the day. The next day he used $\frac{1}{2}$ of what was left. If the tank now has 12 litres of juice, how many litres does it hold when it is full?

4. The numbers on this wall follow a pattern. Some of the numbers are missing. Find the numbers A and B.



5. $\frac{2}{3}$ of the children in Miss Whitley’s class have pets at home. Eight have no pets. How many children are in her class?

6. How many squares can you see from the figure?



7. The numbers in each of the three patterns below follow the same rule. Find the missing numbers A and B.

4	8	32	16
---	---	----	----

8	9	72	36
---	---	----	----

7	8	A	B
---	---	---	---

8. Dolly bought some boxes of apples for \$180 and sold them for \$240. If she made a profit of \$5 on each box, how many boxes did she sell?
