

Year 4 Term 1 Homework

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

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5 Year 4 Term 1 Week 5 Homework

5.1 Decimals

Exercise 5.1.1 What is the place value of 5 in each of these decimal numbers?

1. $142.516 =$ _____

2. $205.426 =$ _____

3. $300.105 =$ _____

4. $480.053 =$ _____

Exercise 5.1.2 Four operations

1. $10.05 + 1.5 =$ _____

2. $10.05 - 1.5 =$ _____

3. $10.05 \times 1.5 =$ _____

4. $10.05 \div 1.5 =$ _____

Exercise 5.1.3 Order of operations

1. $2 \times (12.5 - 8.2) + 2.4 =$ _____

2. $(3.3 + 1.1) \times (3.3 - 1.1) =$ _____

3. $(3.3 + 1.1) \div (3.3 - 1.1) =$ _____

4. $(4.8 - 1.2) \div 3 + 11.8 =$ _____

5. $12 - (4.2 - 1.2) \div 6 =$ _____

6. $18.2 - 4.6 + 12.4 \times 2 =$ _____

7. $3 \times 12.4 \div 4 + 2.7 =$ _____

8. $0.5 + \frac{1}{4} - \frac{1}{2} =$ _____

5.2 Fractions

5.2.1 Equivalent Fractions

$$\textcircled{1} \quad \frac{3}{6} = \frac{\quad}{36} = \frac{12}{\quad} = \frac{\quad}{30}$$

$$\textcircled{2} \quad \frac{2}{3} = \frac{\quad}{6} = \frac{12}{\quad} = \frac{\quad}{9}$$

$$\textcircled{3} \quad \frac{10}{12} = \frac{\quad}{84} = \frac{100}{\quad} = \frac{\quad}{96}$$

$$\textcircled{4} \quad \frac{1}{3} = \frac{\quad}{15} = \frac{2}{\quad} = \frac{\quad}{9}$$

$$\textcircled{5} \quad \frac{2}{5} = \frac{\quad}{25} = \frac{20}{\quad} = \frac{\quad}{40}$$

$$\textcircled{6} \quad \frac{4}{8} = \frac{12}{\quad} = \frac{\quad}{72} = \frac{32}{\quad}$$

$$\textcircled{7} \quad \frac{3}{5} = \frac{18}{\quad} = \frac{\quad}{50} = \frac{12}{\quad}$$

$$\textcircled{8} \quad \frac{8}{9} = \frac{\quad}{90} = \frac{48}{\quad} = \frac{\quad}{27}$$

$$\textcircled{9} \quad \frac{9}{12} = \frac{\quad}{60} = \frac{54}{\quad} = \frac{\quad}{36}$$

$$\textcircled{10} \quad \frac{1}{2} = \frac{8}{\quad} = \frac{\quad}{20} = \frac{3}{\quad}$$

$$\textcircled{11} \quad \frac{1}{8} = \frac{\quad}{24} = \frac{6}{\quad} = \frac{\quad}{72}$$

$$\textcircled{12} \quad \frac{2}{7} = \frac{\quad}{42} = \frac{10}{\quad} = \frac{\quad}{14}$$

$$\textcircled{13} \quad \frac{3}{7} = \frac{21}{\quad} = \frac{\quad}{42} = \frac{12}{\quad}$$

$$\textcircled{14} \quad \frac{6}{9} = \frac{\quad}{54} = \frac{30}{\quad} = \frac{\quad}{27}$$

$$\textcircled{15} \quad \frac{3}{8} = \frac{\quad}{72} = \frac{24}{\quad} = \frac{\quad}{32}$$

$$\textcircled{16} \quad \frac{1}{4} = \frac{\quad}{36} = \frac{7}{\quad} = \frac{\quad}{12}$$

$$\textcircled{17} \quad \frac{1}{5} = \frac{\quad}{35} = \frac{2}{\quad} = \frac{\quad}{45}$$

$$\textcircled{18} \quad \frac{7}{8} = \frac{35}{\quad} = \frac{\quad}{72} = \frac{49}{\quad}$$

$$\textcircled{19} \quad \frac{3}{4} = \frac{\quad}{32} = \frac{27}{\quad} = \frac{\quad}{12}$$

$$\textcircled{20} \quad \frac{7}{10} = \frac{\quad}{100} = \frac{28}{\quad} = \frac{\quad}{50}$$

Score: _____

5.2.2 Simplifying Fractions

① $\frac{6}{18} =$ _____

② $\frac{35}{5} =$ _____

③ $\frac{12}{30} =$ _____

④ $\frac{8}{28} =$ _____

⑤ $\frac{9}{36} =$ _____

⑥ $\frac{60}{32} =$ _____

⑦ $\frac{126}{49} =$ _____

⑧ $\frac{16}{2} =$ _____

⑨ $\frac{12}{6} =$ _____

⑩ $\frac{24}{4} =$ _____

⑪ $\frac{100}{40} =$ _____

⑫ $\frac{12}{24} =$ _____

⑬ $\frac{152}{56} =$ _____

⑭ $\frac{15}{18} =$ _____

⑮ $\frac{63}{42} =$ _____

⑯ $\frac{48}{8} =$ _____

⑰ $\frac{114}{48} =$ _____

⑱ $\frac{160}{56} =$ _____

⑲ $\frac{42}{15} =$ _____

⑳ $\frac{12}{18} =$ _____

Score: _____

5.2.3 Comparing Fractions

① $\frac{5}{7} \square \frac{1}{2}$

② $\frac{9}{5} \square \frac{24}{32}$

③ $\frac{12}{42} \square \frac{5}{6}$

④ $\frac{24}{48} \square \frac{28}{42}$

⑤ $\frac{9}{18} \square \frac{18}{48}$

⑥ $\frac{2}{6} \square \frac{9}{4}$

⑦ $\frac{11}{4} \square \frac{13}{6}$

⑧ $\frac{11}{6} \square \frac{12}{28}$

⑨ $\frac{5}{30} \square \frac{9}{8}$

⑩ $\frac{6}{7} \square \frac{15}{7}$

⑪ $\frac{5}{3} \square \frac{10}{20}$

⑫ $\frac{10}{6} \square \frac{3}{5}$

⑬ $\frac{5}{4} \square \frac{4}{10}$

⑭ $\frac{1}{8} \square \frac{28}{56}$

⑮ $\frac{7}{3} \square \frac{12}{16}$

⑯ $\frac{11}{5} \square \frac{28}{35}$

⑰ $\frac{2}{5} \square \frac{9}{6}$

⑱ $\frac{21}{35} \square \frac{10}{40}$

⑲ $\frac{21}{24} \square \frac{2}{3}$

⑳ $\frac{15}{6} \square \frac{1}{5}$

㉑ $\frac{4}{8} \square \frac{4}{7}$

㉒ $\frac{4}{16} \square \frac{48}{56}$

㉓ $\frac{11}{7} \square \frac{5}{8}$

㉔ $\frac{21}{49} \square \frac{1}{3}$

Score:

5.2.4 Adding Fractions

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

$$\textcircled{2} \quad 2\frac{6}{11} + 1\frac{9}{11} = \underline{\hspace{10cm}}$$

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

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

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

$$\textcircled{6} \quad \frac{2}{3} + 2\frac{2}{3} = \underline{\hspace{10cm}}$$

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

$$\textcircled{8} \quad 1\frac{5}{7} + 2\frac{6}{7} = \underline{\hspace{10cm}}$$

$$\textcircled{9} \quad 1\frac{8}{9} + \frac{3}{9} = \underline{\hspace{10cm}}$$

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

Score:

5.2.5 Subtracting Fractions

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

$$\textcircled{2} \quad \frac{4}{7} - \frac{2}{7} = \underline{\hspace{10cm}}$$

$$\textcircled{3} \quad 2\frac{4}{6} - \frac{5}{6} = \underline{\hspace{10cm}}$$

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

$$\textcircled{5} \quad \frac{3}{9} - \frac{2}{9} = \underline{\hspace{10cm}}$$

$$\textcircled{6} \quad \frac{7}{9} - \frac{4}{9} = \underline{\hspace{10cm}}$$

$$\textcircled{7} \quad 2\frac{2}{4} - \frac{1}{4} = \underline{\hspace{10cm}}$$

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

$$\textcircled{9} \quad \frac{5}{9} - \frac{3}{9} = \underline{\hspace{10cm}}$$

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

Score: _____

5.3 Problem Solving

Exercise 5.3.1 Quick Questions

1. How many faces has a rectangular prism? _____
2. Find 50% of 12. _____
3. How many minutes in $1\frac{1}{4}$ hours? _____
4. How many days altogether in June, July and August? _____
5. What is the size of the angle between NE and SE? _____
6. What is 100 less than 1,000,000? _____
7. Find the value of 20 cents times 25. _____
8. A child was born in 1999. How old is he in 2008? _____
9. $54678 > 54768$. True or False? _____
10. How many halves in two wholes? _____
11. How many fifths in 5 wholes? _____
12. What is the remainder when 25 is divided by 4? _____
13. How many tens in 1235? _____
14. To the sum of 4 and 3, add their product. _____
15. Is 13 a prime number? _____
16. Add all the odd numbers less than 9. _____
17. What is the value of $8 \times 10^3 + 5 \times 10^2$? _____
18. Find the average of 20, 30, 60 and 90. _____
19. Write 32% as a fraction. _____
20. Write $\frac{47}{100}$ as a percentage. _____

Exercise 5.3.2 Number Problems (Construct a equation and then solve them)

1. *Eight more than a number is 12. What is the number?* _____

2. *The sum of a number and nine is 17. Find the number.* _____

3. *The product of five and a number is 35. What is the number?* _____

4. *A number increased by seven is 16. Find the number.* _____

5. *Twice a number diminished by 6 is 8. Find the number.* _____

6. *One less than ten times a number is 109. Find the number.* _____

7. *Three times a number decreased by 23 is 13. Find the number.* _____

8. *The quotient of a number and ten increased by 9 is 12. What is the number?* _____

9. *Two more than twice a number is 24. What is the number?* _____

10. *One number is ten times another. Their sum is 88. Find the numbers.* _____

11. *Eight more than five times a number is 58. What is the number?* _____

12. *Twice a number decreased by 14 is 8. Find the number.* _____

5.4 Quiz 5

Question 1.(5 points)

Evaluate $1.6 \div 0.4$.

- A. 0.4 B. 0.04 C. 4.0 D. 0.004

Question 2.(5 points)

What is the value of the 5 in the number 234.56?

- A. 5 hundredths B. 5 tenths C. 5 units D. 5 tens

Question 3.(5 points)

Which of the following simplifies to give the smallest number?

- A.
- 2.5×0.5
- B.
- $2.5 \div 0.5$
- C.
- $2.5 + 0.5$
- D.
- $2.5 - 0.5$

Question 4.(5 points)

Find the sum of 0.5, 1.5, $\frac{1}{4}$.

- A. 2.5 B. 2.25 C. 3.5 D. 3.25

Question 5.(5 points)

Write the numeral for five thousand and fifty one and five hundredths.

- A. 5051.05 B. 5510.05 C. 5051.5 D. 50051.05

Question 6.(5 points)

A triangle with exactly two equal angles is called:

- A. scalene B. isosceles C. equilateral D. right angled

Question 7.(5 points)

How many lots of \$100 are there in \$100,000?

- A. 10 B. 100 C. 1000 D. 10,000

Question 8.(5 points)

What is the most likely number needed to continue the series? 12, 25, 40, 57, _____

- A. 76 B. 88 C. 78 D. 75

Question 9.(5 points)

Find the value of $6 + 3 \times 2 + 7 \times 4$.

- A. 40 B. 50 C. 48 D. 42

Question 10.(5 points)

What time will it be 52 minutes after 3:45 p.m.?

- A. 4:27 p.m. B. 4:37p.m. C. 3:37 pm. D. 4:27p.m

Question 11. (5 points)

In which of the following quadrilaterals are all the angles equal?

- A. Square B. Kite C. Trapezium D. Rhombus

Question 12. (5 points)

What is the value of $2 + 3 \times (2 + 3)$?

- A. 25 B. 15 C. 17 D. 27

Question 13. (5 points)

Which one of the following number sentences is false?

- A. $5 \times 0 = 5$ B. $5 + 0 = 5$ C. $\frac{1}{2} \times 10 = 5$ D. $1 \times 5 = 5$

Question 14. (5 points)

Change 2 km 25 m into metres:

- A. 2250 m B. 2025 m C. 2002.5 m D. 2205 m

Question 15. (5 points)

What number must be placed in the box to make the number sentence true?

$$7 \times \boxed{?} - 19 = 72$$

- A. 11 B. 12 C. 13 D. 15

Question 16. (5 points)

I lost half of my money. I now have \$28. How much did I have at the beginning?

- A. \$28 B. \$46 C. \$56 D. \$58

Question 17. (5 points)

When you round off \$199.99 to the nearest dollar you get:

- A. \$199 B. \$190 C. \$201 D. \$200

Question 18. (5 points)

The sum of 12 and the product of 8 and 4 is the same as:

- A. $(12 + 8) \times 4$ B. $12 + 8 \times 4$ C. $8 + 12 \times 4$ D. $4 + 12 \times 8$

Question 19. (5 points)

Find the lowest common multiple of 3, 4, 12.

- A. 36 B. 28 C. 24 D. 12

Question 20. (5 points)

Which if the following four numbers is smallest?

- A. 1.20 B. 1.02 C. 1.12 D. 1.21