

## Year 4 Term 1 Homework

<b>Student Name:</b> _____	<b>Grade:</b> _____
<b>Date:</b> _____	<b>Score:</b> _____

### Table of contents

<b>7 Year 4 Term 1 Week 7 Homework</b>	<b>1</b>
7.1 Order of Operations ( $()$ , $\times$ , $\div$ , $+$ and $-$ ) . . . . .	1
7.1.1 Comparing Fractions . . . . .	2
7.1.2 Adding Fractions . . . . .	3
7.1.3 Subtracting Fractions . . . . .	4
7.1.4 Multiplying Fractions . . . . .	5
7.1.5 Dividing Fractions . . . . .	6
7.2 Problem Solving . . . . .	7
7.3 Number Problem . . . . .	8
7.4 Quiz 7 . . . . .	9

This edition was printed on June 2, 2017 with **answers**.

Camera ready copy was prepared with the **L<sup>A</sup>T<sub>E</sub>X<sub>2</sub> $\epsilon$**  typesetting system.

Copyright © 2000 - 2017 Yimin Math Centre ([www.yiminmathcentre.com](http://www.yiminmathcentre.com))

## 7 Year 4 Term 1 Week 7 Homework

### 7.1 Order of Operations ( ( ), $\times$ , $\div$ , + and - )

#### Exercise 7.1.1

1.  $(16 - 4) \times 3 \div 2 + 2 =$  \_\_\_\_\_

\_\_\_\_\_

2.  $16 - 4 \times 3 \div 4 + 2 =$  \_\_\_\_\_

\_\_\_\_\_

3.  $16 - 4 \times 3 \div (4 + 2) =$  \_\_\_\_\_

\_\_\_\_\_

4.  $(16 - 4) \times 3 \div (4 + 2) =$  \_\_\_\_\_

\_\_\_\_\_

5.  $4 + 6 \times 3 \div 2 - 4 =$  \_\_\_\_\_

\_\_\_\_\_

6.  $3 + 6 \times 2 \div 3 + 3 =$  \_\_\_\_\_

\_\_\_\_\_

7.  $24 - 6 + 8 \times 2 - 2 =$  \_\_\_\_\_

\_\_\_\_\_

8.  $8 + 8 \div 2 \times 3 + 8 =$  \_\_\_\_\_

\_\_\_\_\_

9.  $5 \times 3 - (12 - 8) =$  \_\_\_\_\_

\_\_\_\_\_

10.  $2.5 \times 4 - 2 \times 3 + 6 =$  \_\_\_\_\_

\_\_\_\_\_

11.  $18 \div 6 + 3 \times (2 + 3) =$  \_\_\_\_\_

\_\_\_\_\_

## 7.1.1 Comparing Fractions

①  $\frac{7}{9} \square \frac{7}{9}$

②  $\frac{1}{3} \square \frac{1}{8}$

③  $\frac{10}{12} \square \frac{7}{8}$

④  $\frac{4}{12} \square \frac{6}{9}$

⑤  $\frac{3}{8} \square \frac{1}{3}$

⑥  $\frac{2}{9} \square \frac{3}{9}$

⑦  $\frac{7}{11} \square \frac{5}{6}$

⑧  $\frac{9}{10} \square \frac{4}{9}$

⑨  $\frac{8}{10} \square \frac{2}{5}$

⑩  $\frac{2}{3} \square \frac{9}{12}$

⑪  $\frac{1}{6} \square \frac{3}{7}$

⑫  $\frac{3}{6} \square \frac{6}{10}$

⑬  $\frac{1}{2} \square \frac{1}{10}$

⑭  $\frac{4}{6} \square \frac{2}{7}$

⑮  $\frac{3}{9} \square \frac{6}{8}$

⑯  $\frac{7}{10} \square \frac{5}{12}$

⑰  $\frac{10}{11} \square \frac{1}{4}$

⑱  $\frac{6}{8} \square \frac{1}{5}$

⑲  $\frac{4}{5} \square \frac{2}{4}$

⑳  $\frac{2}{4} \square \frac{1}{2}$

㉑  $\frac{1}{12} \square \frac{4}{5}$

㉒  $\frac{2}{8} \square \frac{8}{10}$

㉓  $\frac{3}{4} \square \frac{6}{7}$

㉔  $\frac{6}{10} \square \frac{7}{11}$

Score: \_\_\_\_\_

**7.1.2 Adding Fractions**

$$\textcircled{1} \quad \frac{4}{9} + \frac{4}{9} = \underline{\hspace{10em}}$$

$$\textcircled{2} \quad \frac{8}{9} + \frac{5}{7} = \underline{\hspace{10em}}$$

$$\textcircled{3} \quad \frac{6}{7} + \frac{3}{4} = \underline{\hspace{10em}}$$

$$\textcircled{4} \quad \frac{1}{3} + \frac{1}{7} = \underline{\hspace{10em}}$$

$$\textcircled{5} \quad \frac{5}{9} + \frac{2}{8} = \underline{\hspace{10em}}$$

$$\textcircled{6} \quad \frac{5}{8} + \frac{4}{6} = \underline{\hspace{10em}}$$

$$\textcircled{7} \quad \frac{3}{7} + \frac{1}{5} = \underline{\hspace{10em}}$$

$$\textcircled{8} \quad \frac{3}{4} + \frac{1}{2} = \underline{\hspace{10em}}$$

$$\textcircled{9} \quad \frac{7}{9} + \frac{2}{3} = \underline{\hspace{10em}}$$

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

---

Score: \_\_\_\_\_

**7.1.3 Subtracting Fractions**

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

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

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

$$\textcircled{4} \quad \frac{3}{5} - \frac{2}{9} = \underline{\hspace{10cm}}$$

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

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

$$\textcircled{7} \quad \frac{1}{3} - \frac{1}{4} = \underline{\hspace{10cm}}$$

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

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

$$\textcircled{10} \quad \frac{6}{9} - \frac{3}{8} = \underline{\hspace{10cm}}$$

---

Score:

**7.1.4 Multiplying Fractions**

$$\textcircled{1} \quad \frac{1}{3} \times \frac{7}{8} = \underline{\hspace{10cm}}$$

$$\textcircled{2} \quad \frac{4}{6} \times \frac{6}{8} = \underline{\hspace{10cm}}$$

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

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

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

$$\textcircled{6} \quad \frac{1}{5} \times \frac{4}{6} = \underline{\hspace{10cm}}$$

$$\textcircled{7} \quad \frac{1}{2} \times \frac{4}{8} = \underline{\hspace{10cm}}$$

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

$$\textcircled{9} \quad \frac{3}{6} \times \frac{3}{4} = \underline{\hspace{10cm}}$$

$$\textcircled{10} \quad \frac{4}{7} \times \frac{1}{3} = \underline{\hspace{10cm}}$$

---

Score:

**7.1.5 Dividing Fractions**

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

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

$$\textcircled{3} \quad \frac{1}{5} \div \frac{6}{8} = \underline{\hspace{10cm}}$$

$$\textcircled{4} \quad \frac{4}{6} \div \frac{5}{6} = \underline{\hspace{10cm}}$$

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

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

$$\textcircled{7} \quad \frac{2}{5} \div \frac{3}{7} = \underline{\hspace{10cm}}$$

$$\textcircled{8} \quad \frac{7}{8} \div \frac{3}{8} = \underline{\hspace{10cm}}$$

$$\textcircled{9} \quad \frac{1}{4} \div \frac{1}{3} = \underline{\hspace{10cm}}$$

$$\textcircled{10} \quad \frac{1}{7} \div \frac{3}{6} = \underline{\hspace{10cm}}$$

---

Score: \_\_\_\_\_

## 7.2 Problem Solving

### Exercise 7.2.1 Quick Questions

1. Find the sum of 0.5,  $\frac{1}{2}$  and 2.5. \_\_\_\_\_
2. Evaluate  $2.4 \div 0.3$ . \_\_\_\_\_
3. When a number is multiplied by itself 5 times, the result is 1. What is the number? \_\_\_\_\_
4. How many times can you subtract  $1\frac{1}{2}$  from 12? \_\_\_\_\_
5. How many numbers lying between 20 and 40 are divisible by 6? \_\_\_\_\_
6. What must be added to \$76 to make \$120? = \_\_\_\_\_
7. Twice the sum of a number and 4 is 10. Find the number \_\_\_\_\_
8. How many metres in 6.5 km? \_\_\_\_\_
9. Cost of 200 g at \$25 per kg. \_\_\_\_\_
10. How many 5 cents are in \$2.45? \_\_\_\_\_
11. Write 123% as a decimal. \_\_\_\_\_
12. Find the average of 8, 12, and 16. \_\_\_\_\_
13. How many sides has an octagon? \_\_\_\_\_
14. Subtract 25 from the difference between 89 and 21. \_\_\_\_\_
15. What is the result when 145 is subtracted from 437? \_\_\_\_\_
16. By how many is 213 is greater than 108? \_\_\_\_\_
17. How many surfaces has a square pyramid? \_\_\_\_\_
18. Write our numeral for XCIV. \_\_\_\_\_
19. Divide 630 marbles equally among 21 children. \_\_\_\_\_
20. How many hundreds are there in 685? \_\_\_\_\_



### 7.3 Number Problem

**Exercise 7.3.1 Construct an equation for each of these number problems and then solve them.**

1. Three times a number diminished by 9 is 6. Find the number. \_\_\_\_\_  
\_\_\_\_\_

2. The product of three and a number is 15. What is the number? \_\_\_\_\_  
\_\_\_\_\_

3. One less than four times a number is 27. Find the number. \_\_\_\_\_  
\_\_\_\_\_

4. One of two numbers is six more than the other. The sum of the numbers is 22. Find the numbers. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

5. The quotient of a number and three is 4. Find the number. \_\_\_\_\_  
\_\_\_\_\_

6. The quotient of a number and five increased by 5 is 7. What is the number? \_\_\_\_\_  
\_\_\_\_\_

7. Eight more than seven times a number is 29. What is the number? \_\_\_\_\_  
\_\_\_\_\_

8. Twice a number increased by 9 is 25. Find the number. \_\_\_\_\_  
\_\_\_\_\_

9. Five times a number decreased by 6 is 39. Find the number. \_\_\_\_\_  
\_\_\_\_\_

10. The quotient of a number and two increased by 9 is 14. What is the number? \_\_\_\_\_  
\_\_\_\_\_

**7.4 Quiz 7**

Question 1. ....(5 points)

Tomatoes are \$2.40 kg. How much would 3 kg cost?

- A. \$6.80                      B. \$7.20                      C. \$7.60                      D. \$7.80

Question 2. ....(5 points)

A pumpkin weighs 2 kg 580 g. A watermelon has a mass of 5.2kg. What is their total mass?

- A. 7.78 kg                      B. 6.78 kg                      C. 8.12 kg                      D. 7.6 kg

Question 3. ....(5 points)

In a box there are 12 packets of soap. The label on the box says 6 kg. How much does each packet of soap weigh?

- A. 100 g                      B. 200 g                      C. 500 g                      D. 600 g

Question 4. ....(5 points)

Linda weighed 32.5 kg three years ago. She has put on 2.5 kg each year. How much does she now weigh?

- A. 38.5 kg                      B. 39.5 kg                      C. 41.5 kg                      D. 40 kg

Question 5. ....(5 points)

How many legs and tails on 9 piglets?

- A. 35                      B. 45                      C. 40                      D. 55

Question 6. ....(5 points)

Mum drives us to and from school which is 7.5 km away. How many kilometres do we travel to and from school in a week?

- A. 75 km                      B. 60 km                      C. 35 km                      D. 65 km

Question 7. ....(5 points)

How many heads and feet on 3 cows, 4 roosters and 5 rabbits?

- A. 48                      B. 42                      C. 32                      D. 52

Question 8. ....(5 points)

What is the result when 157 is subtracted from 432?

- A. 125                      B. 245                      C. 165                      D. 275

Question 9. ....(5 points)

This week John spent \$2.50 and \$3.70. If these amounts add up to half his money, how much did he start with?

- A. \$6.20                      B. \$10.50                      C. \$12.50                      D. \$12.40

Question 10. .... (5 points)

20 boys shared a total of 280 swap cards. How many did they have each?

- A. 18                      B. 16                      C. 14                      D. 15

Question 11. .... (5 points)

There are 28 children in our class.  $\frac{1}{4}$  of them wear glasses. How many do not wear glasses?

- A. 21                      B. 18                      C. 20                      D. 23

Question 12. .... (5 points)

The quotient of a number and three increased by 4 is 28. What is the number?

- A. 62                      B. 72                      C. 82                      D. 56

Question 13. .... (5 points)

Ken is 6 and Sam is 9 years old. How old will Ken be when Sam is 15?

- A. 12 years              B. 15 years              C. 18 years              D. 13 years

Question 14. .... (5 points)

If I can buy 2 books for \$5.00, how many can I buy for \$20?

- A. 5 books              B. 6 books              C. 7 books              D. 8 books

Question 15. .... (5 points)

Jack had 50 marbles. He gave 6 to each of his 7 friends. How many marbles did he keep for himself?

- A. 5 marbles              B. 7 marbles              C. 9 marbles              D. 8 marbles

Question 16. .... (5 points)

How many days are there in March and April?

- A. 59 days              B. 60 days              C. 61 days              D. 2 days

Question 17. .... (5 points)

How many hours are there in 2 and a half days?

- A. 48 hours              B. 32 hours              C. 50 hours              D. 60 hours

Question 18. .... (5 points)

$21 \times 10 \div 3 = ?$

- A. 210                      B. 700                      C. 350                      D. 70

Question 19. .... (5 points)

What is the next number in the sequence: 97, 94, 92, 88, 86, 81, 79, \_\_\_\_\_ ?

- A. 73                      B. 71                      C. 69                      D. 70

Question 20. .... (5 points)

$(12 - 4) \times 3 \div 4 - 2 = ?$

- A. 2                      B. 4                      C. 6                      D. 8