

## Year 4 Term 1 Homework

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

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## 8 Year 4 Term 1 Week 8 Homework

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

#### Exercise 8.1.1

1.  $(9 + 3) - (9 - 3) =$  \_\_\_\_\_  
\_\_\_\_\_

2.  $(9 \times 3) - (9 \div 3) =$  \_\_\_\_\_  
\_\_\_\_\_

3.  $(9 \div 3) + (9 \times 3) =$  \_\_\_\_\_  
\_\_\_\_\_

4.  $(9 - 3) + (9 + 3) =$  \_\_\_\_\_  
\_\_\_\_\_

5.  $3 \times 12 \div 4 - 2 =$  \_\_\_\_\_  
\_\_\_\_\_

6.  $12 \div 4 \times 3 + 12 =$  \_\_\_\_\_  
\_\_\_\_\_

7.  $1.2 \times 4 - 2.8 \div 2 =$  \_\_\_\_\_  
\_\_\_\_\_

8.  $1.2 \div 4 + 2.8 \times 2 =$  \_\_\_\_\_  
\_\_\_\_\_

9.  $12 \div 0.4 - 12 \times 0.4 =$  \_\_\_\_\_  
\_\_\_\_\_

10.  $12 \times 0.4 + 12 \div 0.4 =$  \_\_\_\_\_  
\_\_\_\_\_

## 8.2 Fractions

### 8.2.1 Adding Fractions

$$\textcircled{1} \quad \frac{2}{3} + \frac{4}{9} = \underline{\hspace{10cm}}$$

$$\textcircled{2} \quad \frac{4}{12} + \frac{5}{9} = \underline{\hspace{10cm}}$$

$$\textcircled{3} \quad \frac{3}{11} + \frac{3}{4} = \underline{\hspace{10cm}}$$

$$\textcircled{4} \quad \frac{7}{9} + \frac{8}{9} = \underline{\hspace{10cm}}$$

$$\textcircled{5} \quad \frac{5}{11} + \frac{6}{11} = \underline{\hspace{10cm}}$$

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

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

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

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

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

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

**8.2.2 Subtracting Fractions**

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

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

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

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

$$\textcircled{5} \quad \frac{7}{9} - \frac{8}{11} = \underline{\hspace{10cm}}$$

$$\textcircled{6} \quad \frac{5}{8} - \frac{5}{9} = \underline{\hspace{10cm}}$$

$$\textcircled{7} \quad \frac{3}{4} - \frac{4}{6} = \underline{\hspace{10cm}}$$

$$\textcircled{8} \quad \frac{4}{9} - \frac{1}{4} = \underline{\hspace{10cm}}$$

$$\textcircled{9} \quad \frac{2}{6} - \frac{2}{7} = \underline{\hspace{10cm}}$$

$$\textcircled{10} \quad \frac{5}{6} - \frac{4}{11} = \underline{\hspace{10cm}}$$

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

**8.2.3 Multiplying Fractions**

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

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

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

$$\textcircled{4} \quad \frac{6}{8} \times \frac{1}{4} = \underline{\hspace{10cm}}$$

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

$$\textcircled{6} \quad \frac{2}{4} \times \frac{5}{7} = \underline{\hspace{10cm}}$$

$$\textcircled{7} \quad \frac{2}{3} \times \frac{6}{8} = \underline{\hspace{10cm}}$$

$$\textcircled{8} \quad \frac{3}{6} \times \frac{2}{7} = \underline{\hspace{10cm}}$$

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

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

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Score:

**8.2.4 Dividing Fractions**

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

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

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

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

$$\textcircled{5} \quad \frac{4}{8} \div \frac{2}{3} = \underline{\hspace{10cm}}$$

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

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

$$\textcircled{8} \quad \frac{4}{7} \div \frac{2}{5} = \underline{\hspace{10cm}}$$

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

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

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Score:

### 8.3 Problem Solving

#### Exercise 8.3.1 Quick Questions

1. How many hours in one week? \_\_\_\_\_
2. Write 1250 in Roman Numerals. \_\_\_\_\_
3. Write our numeral for CDVI. \_\_\_\_\_
4. Write the next 4 multiples of 7.        7, 14, 21, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_.
5. Complete the number pattern. 0.88, 0.9, 0.92, \_\_\_\_\_, \_\_\_\_\_,
6. The next ordinal number after 800th? \_\_\_\_\_
7. What number squared gives 144? \_\_\_\_\_
8. What is the total cost of a \$356 microwave and a \$625 stove? \_\_\_\_\_
9. What is the product of 9 and 12? \_\_\_\_\_
10. What is the difference between 123 and 234? \_\_\_\_\_
11. Find the number lying between 124 and 248? \_\_\_\_\_
12. Find  $\frac{1}{4}$  of \$72. \_\_\_\_\_
13. How many halves in 4 wholes? \_\_\_\_\_
14. How many quarters in 4 wholes? \_\_\_\_\_
15. How many tens in 2345? \_\_\_\_\_
16. How much is  $4\frac{1}{2}$  kg of meat at \$12 per kg? \_\_\_\_\_
17. Cakes have a mass of 25 g each. I bought 5. What is the total mass of 5 cakes? \_\_\_\_\_
18. Tomatoes are \$3.25 kg. How much would 3 kg cost? \_\_\_\_\_
19. Twenty seconds less than 2 minutes 10 seconds = \_\_\_\_\_ seconds.
20. Subtract 1 minute and 20 seconds from 5 minutes 15 seconds. \_\_\_\_\_

## 8.4 Number Problems

**Exercise 8.4.1** Construct an equation for each of these number problems and then solve it.

1. Four more than four times a number is 44. What is the number? \_\_\_\_\_

\_\_\_\_\_

2. Three times a number increased by 9 is 45. Find the number. \_\_\_\_\_

\_\_\_\_\_

3. The quotient of a number and two, increased by 4 is 8. What is the number? \_\_\_\_\_

\_\_\_\_\_

4. One number is ten times another. Their sum is 22. Find the numbers. \_\_\_\_\_

\_\_\_\_\_

5. The product of two numbers is 135. One number is six less than the other. What are the numbers?

\_\_\_\_\_

6. One less than six times a number is 23. Find the number. \_\_\_\_\_

\_\_\_\_\_

7. One of two numbers is six more than the other. The sum of the numbers is 22. Find the numbers.

\_\_\_\_\_

8. Six more than eight times a number is 30. What is the number? \_\_\_\_\_

\_\_\_\_\_

9. Six times a number increased by 7 is 55. Find the number. \_\_\_\_\_

\_\_\_\_\_

10. The quotient of a number and ten increased by 2 is 8. What is the number? \_\_\_\_\_

\_\_\_\_\_



**8.5 Quiz 8**

Question 1. ....(5 points)

Potatoes are \$3.50/kg. How much would 3 kg cost?

- A. \$10.80                      B. \$10.50                      C. \$9.60                      D. \$11.80

Question 2. ....(5 points)

Forty seconds less than 2 minutes and 10 seconds.

- A. 1 m 20 s                      B. 1 m 30 s                      C. 30 s                      D. 40 s

Question 3. ....(5 points)

Linda took 1 minute and 30 seconds to get dressed, 30 seconds to put on her shoes and 45 seconds to comb her hair. How long did she take altogether?

- A. 2 m 20 s                      B. 2 m 35 s                      C. 2 m 45 s                      D. 2 m 50 s

Question 4. ....(5 points)

It takes William 20 minutes to get to school. Three quarters of the time is spent on the train. How many minutes are left for William to walk to school from the train station?

- A. 3 minutes                      B. 5 minutes                      C. 4 minutes                      D. 6 minutes

Question 5. ....(5 points)

After walking 1.25 km on a 2.3 km journey, how far do I still have to go?

- A. 1020 m                      B. 1300 m                      C. 1500 m                      D. 1050 m

Question 6. ....(5 points)

What would 5 metres of cotton material at \$5.95 per metre cost?

- A. \$29.75                      B. \$29.35                      C. \$28.65                      D. \$27.85

Question 7. ....(5 points)

A rectangle is 3.7 cm wide and 42 mm long what is the perimeter?

- A. 15.4 cm                      B. 12.6 cm                      C. 14.2 cm                      D. 15.8 cm

Question 8. ....(5 points)

The mass of a 50 cent coin is 15.2 g. What is the mass of \$25 worth of 50-cent coins?

- A. 380 g                      B. 760 g                      C. 780 g                      D. 360 g

Question 9. ....(5 points)

A can of fruit weighs 857 g. If the contents have a mass of 825 g, what is the mass of the can and label?

- A. 32 g                      B. 36 g                      C. 34 g                      D. 38 g

Question 10. .... (5 points)

There are 535 children in a school. If  $\frac{2}{5}$  of them are girls, how many boys are there in the school?

- A. 321 boys                      B. 214 boys                      C. 284 boys                      D. 302 boys

Question 11. .... (5 points)

Mike planted 72 trees at the farm. It did not rain for a month and only one quarter of of these trees survived. How many trees were still alive?

- A. 24                      B. 21                      C. 18                      D. 16

Question 12. .... (5 points)

Bob had 300 swap cards. He kept 156 of these cards and divided the rest equally among his 6 friends. How many swap cards did each friend receive?

- A. 50                      B. 26                      C. 28                      D. 24

Question 13. .... (5 points)

Tim and Ray went apple picking on the weekend. Tim filled 4 buckets of apples in the same time that Ray filled 3. How many buckets has Tim filled when Ray has filled 12?

- A. 15                      B. 12                      C. 14                      D. 16

Question 14. .... (5 points)

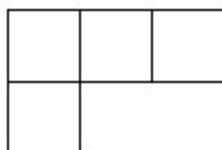
How many different sizes of rectangles are there in the figure shown below:



- A. 11                      B. 8                      C. 10                      D. 9

Question 15. .... (5 points)

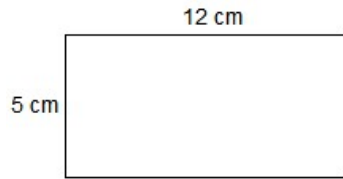
How many different size of rectangles are there in the figure shown below:



- A. 4                      B. 5                      C. 6                      D. 8

Question 16. .... (5 points)

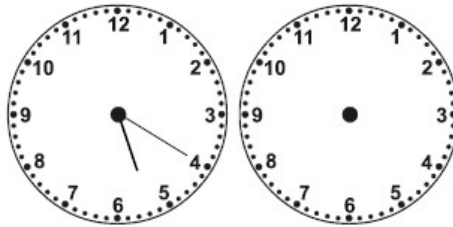
Find the area of the figure shown below:



- A.  $60\text{ cm}^2$       B.  $17\text{ cm}^2$       C.  $34\text{ cm}^2$       D.  $50\text{ cm}^2$

Question 17. .... (5 points)

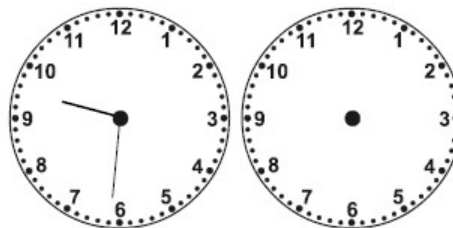
What time will it be 2 hours 45 minute later?



- A. 8:15      B. 8:05      C. 7:05      D. 7:55

Question 18. .... (5 points)

What time it was 3 hours 15 minutes ago?



- A. 5:15      B. 6:16      C. 7:15      D. 7:16

Question 19. .... (5 points)

A lighthouse beacon flashes every 15 seconds. How many flashes does it make in an hour?

- A. 360      B. 280      C. 240      D. 180

Question 20. .... (5 points)

Share \$128 between two people in the ratio of 3:5. What will each person's share be?

- A. \$48 and \$80      B. \$46 and \$78      C. \$50 and \$78      D. \$44 and \$84