

## Year 3 Term 4 Homework

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

### Table of contents

<b>9 Year 3 Term 4 Week 9 Homework</b>	<b>1</b>
9.1 Topic 1 — Fraction . . . . .	1
9.1.1 Adding & Subtracting Fractions 8 . . . . .	1
9.1.2 Multiplying & Dividing Fractions 8 . . . . .	2
9.1.3 Multiplying Fraction & Whole Number 3 . . . . .	3
9.1.4 Dividing Fraction & Whole Number 3 . . . . .	4
9.2 Topic 2 — Multiple Operations . . . . .	5
9.2.1 Multiple Operations 5 . . . . .	5
9.2.2 Multiple Operations 6 . . . . .	6
9.3 Topic 3 — Number Patterns . . . . .	7
9.4 Topic 4 — Problem Solving (Rate) . . . . .	8
9.5 Quiz 9 . . . . .	9

This edition was printed on February 15, 2017.

Camera ready copy was prepared with the  $\text{\LaTeX}$  typesetting system.

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

## 9 Year 3 Term 4 Week 9 Homework

### 9.1 Topic 1 — Fraction

#### 9.1.1 Adding & Subtracting Fractions 8

##### Exercise 9.1.1

$$\textcircled{1} \quad 1\frac{3}{4} + 1\frac{6}{7} = \underline{\hspace{10cm}}$$

$$\textcircled{2} \quad 3\frac{3}{7} - 2\frac{1}{2} = \underline{\hspace{10cm}}$$

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

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

$$\textcircled{5} \quad 2\frac{6}{7} + 1\frac{4}{8} = \underline{\hspace{10cm}}$$

$$\textcircled{6} \quad 3\frac{1}{4} + 1\frac{3}{7} = \underline{\hspace{10cm}}$$

$$\textcircled{7} \quad 1\frac{2}{3} - \frac{1}{8} = \underline{\hspace{10cm}}$$

$$\textcircled{8} \quad 2\frac{1}{3} - 1\frac{5}{6} = \underline{\hspace{10cm}}$$

$$\textcircled{9} \quad 3\frac{1}{6} - 2\frac{1}{4} = \underline{\hspace{10cm}}$$

$$\textcircled{10} \quad 2\frac{4}{5} - 1\frac{2}{3} = \underline{\hspace{10cm}}$$

---

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

**9.1.2 Multiplying & Dividing Fractions 8****Exercise 9.1.2**

$$\textcircled{1} \quad 3\frac{2}{3} \div 2\frac{2}{3} =$$

---

$$\textcircled{2} \quad 1\frac{1}{2} \div 3\frac{1}{6} =$$

---

$$\textcircled{3} \quad 2\frac{4}{8} \div 1\frac{3}{4} =$$

---

$$\textcircled{4} \quad 1\frac{1}{4} \times 1\frac{6}{8} =$$

---

$$\textcircled{5} \quad 2\frac{6}{7} \div 1\frac{4}{7} =$$

---

$$\textcircled{6} \quad 3\frac{6}{8} \times 1\frac{1}{2} =$$

---

$$\textcircled{7} \quad 2\frac{5}{7} \div 2\frac{1}{8} =$$

---

$$\textcircled{8} \quad 3\frac{1}{8} \times 3\frac{2}{7} =$$

---

$$\textcircled{9} \quad 3\frac{2}{6} \times 3\frac{1}{3} =$$

---

$$\textcircled{10} \quad 2\frac{3}{4} \times 3\frac{1}{7} =$$

---

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

**9.1.3 Multiplying Fraction & Whole Number 3****Exercise 9.1.3**

①  $24 \times \frac{1}{3} =$  \_\_\_\_\_

②  $88 \times \frac{1}{2} =$  \_\_\_\_\_

③  $55 \times \frac{3}{5} =$  \_\_\_\_\_

④  $\frac{2}{6}$  of 24 = \_\_\_\_\_

⑤  $75 \times \frac{2}{3} =$  \_\_\_\_\_

⑥  $35 \times \frac{2}{5} =$  \_\_\_\_\_

⑦  $\frac{5}{6}$  of 24 = \_\_\_\_\_

⑧  $\frac{3}{6}$  of 60 = \_\_\_\_\_

⑨  $76 \times \frac{1}{4} =$  \_\_\_\_\_

⑩  $80 \times \frac{1}{5} =$  \_\_\_\_\_

⑪  $24 \times \frac{3}{4} =$  \_\_\_\_\_

⑫  $\frac{4}{6}$  of 72 = \_\_\_\_\_

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

**9.1.4 Dividing Fraction & Whole Number 3****Exercise 9.1.4**

$$\textcircled{1} \frac{4}{5} \div 26 = \underline{\hspace{10cm}}$$

$$\textcircled{2} \frac{3}{6} \div 7 = \underline{\hspace{10cm}}$$

$$\textcircled{3} 46 \div \frac{2}{4} = \underline{\hspace{10cm}}$$

$$\textcircled{4} \frac{2}{5} \div 30 = \underline{\hspace{10cm}}$$

$$\textcircled{5} 31 \div \frac{1}{3} = \underline{\hspace{10cm}}$$

$$\textcircled{6} 22 \div \frac{5}{6} = \underline{\hspace{10cm}}$$

$$\textcircled{7} \frac{1}{2} \div 40 = \underline{\hspace{10cm}}$$

$$\textcircled{8} 5 \div \frac{2}{6} = \underline{\hspace{10cm}}$$

$$\textcircled{9} 19 \div \frac{1}{4} = \underline{\hspace{10cm}}$$

$$\textcircled{10} \frac{2}{3} \div 27 = \underline{\hspace{10cm}}$$

$$\textcircled{11} 36 \div \frac{1}{6} = \underline{\hspace{10cm}}$$

$$\textcircled{12} \frac{4}{6} \div 8 = \underline{\hspace{10cm}}$$

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

**9.2 Topic 2 — Multiple Operations****9.2.1 Multiple Operations 5****Exercise 9.2.1**

①  $9 \times (12 + 3) =$  \_\_\_\_\_

②  $(14 + 6) \div 2 =$  \_\_\_\_\_

③  $9 + 2 \times 13 + 12 =$  \_\_\_\_\_

④  $11 \times (2 + 3) =$  \_\_\_\_\_

⑤  $8 + 4 \times 9 + 6 =$  \_\_\_\_\_

⑥  $(7 + 11) \times (6 + 10) =$  \_\_\_\_\_

⑦  $(11 \times 10) - (12 + 9) =$  \_\_\_\_\_

⑧  $(6 + 5) \div 12 =$  \_\_\_\_\_

⑨  $11 \times (5 + 13) =$  \_\_\_\_\_

⑩  $14 \times (3 + 5) =$  \_\_\_\_\_

⑪  $9 + 11 \times 12 + 4 =$  \_\_\_\_\_

⑫  $(13 \times 8) - (2 + 12) =$  \_\_\_\_\_

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

**9.2.2 Multiple Operations 6****Exercise 9.2.2**

①  $(9 + 11) \times (7 + 4) =$  \_\_\_\_\_

②  $6 + 13 \times 9 + 4 =$  \_\_\_\_\_

③  $6 + 13 \times 9 + 14 =$  \_\_\_\_\_

④  $(10 + 12) \times (13 + 5) =$  \_\_\_\_\_

⑤  $12 \times (11 + 2) =$  \_\_\_\_\_

⑥  $14 + 5 \times 9 + 7 =$  \_\_\_\_\_

⑦  $(5 + 7) \div 4 =$  \_\_\_\_\_

⑧  $6 \times (2 + 12) =$  \_\_\_\_\_

⑨  $13 \times 9 \times 10 =$  \_\_\_\_\_

⑩  $(2 + 8) \times (6 + 4) =$  \_\_\_\_\_

⑪  $(3 + 5) \div 13 =$  \_\_\_\_\_

⑫  $14 + 8 \times 11 + 10 =$  \_\_\_\_\_

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

**9.3 Topic 3 — Number Patterns****Exercise 9.3.1**

① 2, 9, 16, 23, 30, 37, 44, \_\_ , \_\_

② 8, 16, 24, 32, 40, 48, 56, \_\_ , \_\_

③ 49, 43, 46, 39, 42, 34, 37, \_\_ , \_\_

④ 72, 70, 68, 66, 64, 62, 60, \_\_ , \_\_

⑤ 96, 94, 93, 90, 89, 85, 84, \_\_ , \_\_

⑥ 40, 42, 44, 46, 48, 50, 52, \_\_ , \_\_

⑦ 45, 44, 48, 47, 51, 50, 54, \_\_ , \_\_

⑧ 47, 45, 43, 41, 39, 37, 35, \_\_ , \_\_

⑨ 14, 21, 26, 34, 39, 48, 53, \_\_ , \_\_

⑩ 38, 45, 51, 56, 60, 63, 65, \_\_ , \_\_

⑪ 91, 84, 77, 70, 63, 56, 49, \_\_ , \_\_

⑫ 56, 49, 55, 47, 53, 44, 50, \_\_ , \_\_

---

Score:



### 9.4 Topic 4 — Problem Solving (Rate)

#### Exercise 9.4.1

1. A man walked 234 metres and ran 345 metres before sitting down to rest. How much further does he have to go before he has completed one kilometre?

---

---

---

2. The petrol tank in our car holds 65 litres. The car uses 10 litres every 100 kilometres. How far can the car travel for 2 tanks of petrol?

---

---

---

3. My father drove at 65 km/h. I rode my bike a tenth as fast. How many km/h was that?

---

---

---

4. If Tony can walk 75 m in 30 seconds, in this rate how far can he walk in half a hour?

---

---

---

5. A car can travel 120 km in two hours. How far can it travel in three and a half hours?

---

---

---

6. A car can travel 150 km in two hours. How long does it take the car to cover the distance of 450 km?

---

---

---

### 9.5 Quiz 9

1. Find the three consecutive numbers between 20 and 30 that total 78.

---

---

2. A blind person has 5 black socks and 5 white ones all mixed up in a bag. What is the least number of socks that he must take out the bag in order to be certain he has a matching pair?

---

---

3. I have 16 marbles but lost a quarter of them. How many were left?

---

---

4. Two-fifths of the class of 30 were girls. How many were boys?

---

---

5. One-fifth of the class of 20 were away. How many were present?

---

---

6. Three-fifths of a crew 60 were awake. How many were asleep?

---

---

7. Jane has 60 stamps. I have a quarter as many as her. How many do I have?

---

---

8. A quarter of my money in the bank is \$1200. How much do I have in the bank?

---

---

9. How many in 8 dozen?

---

---

10. A car can travel 75 km/h. How far can it go for four hours?

---

---

11. A man can walk 200 metres in 40 seconds. How far can he walk in 20 minutes?

---

---

12. A man can walk 100 meters in 20 seconds. How long does it take for him to walk a distance of 2 kilometres?

---

---

13. What is the distance between 50 telegraph poles, set 35 metres apart?

---

---

14. Telegraph poles are placed 50 metres apart. How many metres will there be between the first and the fifth telegraph pole?

---

---

15. How many bottles of 2-litre orange juice do I need to buy, if I have to serve 40 people and give 120 mL to each person?

---

---

16. Ken has \$120, which is 6 times as much as Paula has. How much does Paula have?

---

---

17. How many days are there in January, February and March in 2008?

---

---

18. David walks 40 metres in 30 seconds. If he walks at the same speed, how far will he walk in two hours?

---

---

19. If 6 kg of apples cost \$24, what would 8 kg of apples cost?

---

---

20. Kathy had a large bag of marbles. She gave 15 marbles to each of her 5 children and had 25 left over. How many marbles were in the bag at the beginning?

---

---

21. If \$240 were divided equally among 8 people and one-third of each person's share was collected for charity, how much would the charity receive?

---

---

22. What is the remainder when 255 is divided by 11?

---

---

23. Anne's age is three fifths of the age of her mother. How old is Anne if her mother is 55 years old?

---

---

24. How many minutes are there from quarter past 2 to half past 8?

---

---