

Year 3 Term 2 Homework

| | |
|----------------------------|---------------------|
| Student Name: _____ | Grade: _____ |
| Date: _____ | Score: _____ |

Table of contents

| | | |
|----------|---|----------|
| 1 | Year 3 Term 2 Week 1 | 1 |
| 1.1 | Topic 1 — Order of Operations | 1 |
| 1.2 | Topic 2 — Fractions | 3 |
| 1.2.1 | Equivalent Fractions 1 | 3 |
| 1.2.2 | Equivalent Fractions 2 | 4 |
| 1.2.3 | Simplifying Fractions 1 | 5 |
| 1.2.4 | Simplifying Fractions 2 | 6 |
| 1.3 | Topic 3 — Decimals | 7 |
| 1.3.1 | Adding and Subtracting 1 | 7 |
| 1.3.2 | Adding and Subtracting 2 | 8 |
| 1.4 | Topic 4 — Money | 9 |
| 1.4.1 | Counting Coins 1 | 9 |
| 1.4.2 | Money in Words 1 | 10 |
| 1.5 | Problem Solving (Number Problems) | 11 |
| 1.5.1 | Number Problem 1 | 11 |
| 1.5.2 | Number Problem 2 | 12 |
| 1.6 | Quiz 1 | 13 |

This edition was printed on September 5, 2021 **with Answers / Worked Solutions.**

Camera ready copy was prepared with the **L^AT_EX²_ε** typesetting system.

Copyright © 2000 - 2021 Yimin Math Centre

1 Year 3 Term 2 Week 1

1.1 Topic 1 — Order of Operations

$$\textcircled{1} 4 \times (6 + 3) = \underline{\hspace{2cm}} \quad \textcircled{2} 6 \times 3 + 2 = \underline{\hspace{2cm}}$$

$$\textcircled{3} 2 + 8 + 9 = \underline{\hspace{2cm}} \quad \textcircled{4} 8 + 7 + 9 = \underline{\hspace{2cm}}$$

$$\textcircled{5} 3 + 5 + 9 = \underline{\hspace{2cm}} \quad \textcircled{6} 3 \times (7 + 2) = \underline{\hspace{2cm}}$$

$$\textcircled{7} 3 + 6 + 9 = \underline{\hspace{2cm}} \quad \textcircled{8} 4 \times (2 + 6) = \underline{\hspace{2cm}}$$

$$\textcircled{9} 7 \times 8 + 2 = \underline{\hspace{2cm}} \quad \textcircled{10} 8 \times 9 + 3 = \underline{\hspace{2cm}}$$

$$\textcircled{11} 4 \times 3 + 5 = \underline{\hspace{2cm}} \quad \textcircled{12} 4 + 6 + 8 = \underline{\hspace{2cm}}$$

$$\textcircled{13} 5 + 2 + 4 = \underline{\hspace{2cm}} \quad \textcircled{14} 8 \times 6 + 4 = \underline{\hspace{2cm}}$$

$$\textcircled{15} 3 + 6 + 9 = \underline{\hspace{2cm}} \quad \textcircled{16} 2 \times (8 + 7) = \underline{\hspace{2cm}}$$

$$\textcircled{17} 3 + 6 + 5 = \underline{\hspace{2cm}} \quad \textcircled{18} 6 + 8 + 5 = \underline{\hspace{2cm}}$$

$$\textcircled{19} 8 + 7 + 9 = \underline{\hspace{2cm}} \quad \textcircled{20} 4 \times 6 + 3 = \underline{\hspace{2cm}}$$

Score: _____

$① 6 \times 5 + 3 = \underline{\hspace{2cm}}$

$② 2 \times 6 + 7 = \underline{\hspace{2cm}}$

$③ 6 \times (4 + 3) = \underline{\hspace{2cm}}$

$④ 6 \times (8 + 5) = \underline{\hspace{2cm}}$

$⑤ 6 + 7 + 4 = \underline{\hspace{2cm}}$

$⑥ 4 + 7 + 9 = \underline{\hspace{2cm}}$

$⑦ 2 \times (4 + 6) = \underline{\hspace{2cm}}$

$⑧ 3 \times (8 + 2) = \underline{\hspace{2cm}}$

$⑨ 7 + 4 + 2 = \underline{\hspace{2cm}}$

$⑩ 9 \times 6 + 4 = \underline{\hspace{2cm}}$

$⑪ 8 + 4 + 2 = \underline{\hspace{2cm}}$

$⑫ 6 \times (7 + 3) = \underline{\hspace{2cm}}$

$⑬ 3 + 4 + 8 = \underline{\hspace{2cm}}$

$⑭ 5 \times (9 + 2) = \underline{\hspace{2cm}}$

$⑮ 4 \times 2 + 6 = \underline{\hspace{2cm}}$

$⑯ 5 + 6 + 9 = \underline{\hspace{2cm}}$

$⑰ 4 + 7 + 6 = \underline{\hspace{2cm}}$

$⑱ 2 \times (6 + 4) = \underline{\hspace{2cm}}$

$⑲ 5 \times (2 + 9) = \underline{\hspace{2cm}}$

$⑳ 8 \times 2 + 7 = \underline{\hspace{2cm}}$

Score: _____

1.2 Topic 2 — Fractions**1.2.1 Equivalent Fractions 1**

① $\frac{7}{14} = \frac{\quad}{2}$

② $\frac{18}{36} = \frac{\quad}{4}$

③ $\frac{4}{16} = \frac{\quad}{4}$

④ $\frac{8}{24} = \frac{\quad}{3}$

⑤ $\frac{15}{20} = \frac{\quad}{4}$

⑥ $\frac{14}{21} = \frac{\quad}{3}$

⑦ $\frac{12}{18} = \frac{\quad}{3}$

⑧ $\frac{9}{27} = \frac{\quad}{3}$

⑨ $\frac{8}{16} = \frac{\quad}{2}$

⑩ $\frac{5}{10} = \frac{\quad}{2}$

⑪ $\frac{5}{10} = \frac{\quad}{2}$

⑫ $\frac{10}{15} = \frac{\quad}{3}$

⑬ $\frac{27}{36} = \frac{\quad}{4}$

⑭ $\frac{5}{10} = \frac{\quad}{2}$

⑮ $\frac{16}{32} = \frac{\quad}{4}$

⑯ $\frac{14}{21} = \frac{\quad}{3}$

⑰ $\frac{6}{8} = \frac{\quad}{4}$

⑱ $\frac{12}{18} = \frac{\quad}{3}$

⑲ $\frac{8}{16} = \frac{\quad}{2}$

⑳ $\frac{5}{10} = \frac{\quad}{2}$

㉑ $\frac{10}{20} = \frac{\quad}{2}$

㉒ $\frac{7}{14} = \frac{\quad}{2}$

㉓ $\frac{10}{40} = \frac{\quad}{4}$

㉔ $\frac{5}{10} = \frac{\quad}{2}$

Score: _____

1.2.2 Equivalent Fractions 2

① $\frac{2}{4} = \frac{4}{4}$

② $\frac{2}{3} = \frac{16}{3}$

③ $\frac{1}{3} = \frac{3}{3}$

④ $\frac{1}{4} = \frac{5}{4}$

⑤ $\frac{3}{4} = \frac{12}{4}$

⑥ $\frac{1}{2} = \frac{8}{2}$

⑦ $\frac{3}{4} = \frac{30}{4}$

⑧ $\frac{1}{3} = \frac{9}{3}$

⑨ $\frac{1}{4} = \frac{5}{4}$

⑩ $\frac{1}{2} = \frac{6}{2}$

⑪ $\frac{1}{3} = \frac{10}{3}$

⑫ $\frac{2}{4} = \frac{16}{4}$

⑬ $\frac{2}{4} = \frac{6}{4}$

⑭ $\frac{3}{4} = \frac{6}{4}$

⑮ $\frac{2}{4} = \frac{20}{4}$

⑯ $\frac{1}{3} = \frac{8}{3}$

⑰ $\frac{1}{2} = \frac{9}{2}$

⑱ $\frac{1}{3} = \frac{7}{3}$

⑲ $\frac{3}{4} = \frac{9}{4}$

⑳ $\frac{1}{2} = \frac{4}{2}$

㉑ $\frac{1}{2} = \frac{7}{2}$

㉒ $\frac{1}{3} = \frac{10}{3}$

㉓ $\frac{1}{2} = \frac{7}{2}$

㉔ $\frac{1}{4} = \frac{2}{4}$

Score:

1.2.3 Simplifying Fractions 1

$$\textcircled{1} \frac{6}{8} = \underline{\hspace{2cm}} \quad \textcircled{2} \frac{4}{6} = \underline{\hspace{2cm}} \quad \textcircled{3} \frac{7}{14} = \underline{\hspace{2cm}}$$

$$\textcircled{4} \frac{6}{18} = \underline{\hspace{2cm}} \quad \textcircled{5} \frac{4}{16} = \underline{\hspace{2cm}} \quad \textcircled{6} \frac{20}{40} = \underline{\hspace{2cm}}$$

$$\textcircled{7} \frac{14}{21} = \underline{\hspace{2cm}} \quad \textcircled{8} \frac{6}{18} = \underline{\hspace{2cm}} \quad \textcircled{9} \frac{14}{21} = \underline{\hspace{2cm}}$$

$$\textcircled{10} \frac{12}{16} = \underline{\hspace{2cm}} \quad \textcircled{11} \frac{6}{12} = \underline{\hspace{2cm}} \quad \textcircled{12} \frac{6}{8} = \underline{\hspace{2cm}}$$

$$\textcircled{13} \frac{4}{8} = \underline{\hspace{2cm}} \quad \textcircled{14} \frac{8}{16} = \underline{\hspace{2cm}} \quad \textcircled{15} \frac{10}{30} = \underline{\hspace{2cm}}$$

$$\textcircled{16} \frac{6}{18} = \underline{\hspace{2cm}} \quad \textcircled{17} \frac{10}{20} = \underline{\hspace{2cm}} \quad \textcircled{18} \frac{6}{9} = \underline{\hspace{2cm}}$$

$$\textcircled{19} \frac{6}{12} = \underline{\hspace{2cm}} \quad \textcircled{20} \frac{6}{24} = \underline{\hspace{2cm}} \quad \textcircled{21} \frac{8}{16} = \underline{\hspace{2cm}}$$

$$\textcircled{22} \frac{9}{27} = \underline{\hspace{2cm}} \quad \textcircled{23} \frac{2}{4} = \underline{\hspace{2cm}} \quad \textcircled{24} \frac{14}{28} = \underline{\hspace{2cm}}$$

Score: _____

1.2.4 Simplifying Fractions 2

$$\textcircled{1} \frac{7}{14} = \underline{\hspace{2cm}} \quad \textcircled{2} \frac{4}{16} = \underline{\hspace{2cm}} \quad \textcircled{3} \frac{10}{20} = \underline{\hspace{2cm}}$$

$$\textcircled{4} \frac{3}{9} = \underline{\hspace{2cm}} \quad \textcircled{5} \frac{12}{16} = \underline{\hspace{2cm}} \quad \textcircled{6} \frac{14}{21} = \underline{\hspace{2cm}}$$

$$\textcircled{7} \frac{7}{14} = \underline{\hspace{2cm}} \quad \textcircled{8} \frac{5}{10} = \underline{\hspace{2cm}} \quad \textcircled{9} \frac{7}{28} = \underline{\hspace{2cm}}$$

$$\textcircled{10} \frac{6}{12} = \underline{\hspace{2cm}} \quad \textcircled{11} \frac{6}{9} = \underline{\hspace{2cm}} \quad \textcircled{12} \frac{3}{6} = \underline{\hspace{2cm}}$$

$$\textcircled{13} \frac{8}{12} = \underline{\hspace{2cm}} \quad \textcircled{14} \frac{6}{8} = \underline{\hspace{2cm}} \quad \textcircled{15} \frac{6}{12} = \underline{\hspace{2cm}}$$

$$\textcircled{16} \frac{2}{6} = \underline{\hspace{2cm}} \quad \textcircled{17} \frac{9}{18} = \underline{\hspace{2cm}} \quad \textcircled{18} \frac{12}{18} = \underline{\hspace{2cm}}$$

$$\textcircled{19} \frac{6}{12} = \underline{\hspace{2cm}} \quad \textcircled{20} \frac{21}{28} = \underline{\hspace{2cm}} \quad \textcircled{21} \frac{6}{24} = \underline{\hspace{2cm}}$$

$$\textcircled{22} \frac{30}{40} = \underline{\hspace{2cm}} \quad \textcircled{23} \frac{12}{24} = \underline{\hspace{2cm}} \quad \textcircled{24} \frac{4}{6} = \underline{\hspace{2cm}}$$

Score: _____

1.3 Topic 3 — Decimals**1.3.1 Adding and Subtracting 1**

$$\begin{array}{r} \textcircled{1} \quad 4.1 \\ - 1.3 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{2} \quad 3.9 \\ - 1.2 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{3} \quad 5.4 \\ - 2.7 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{4} \quad 6.3 \\ + 4.4 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{5} \quad 9.5 \\ + 3.1 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{6} \quad 5.0 \\ - 4.1 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{7} \quad 8.2 \\ + 3.0 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{8} \quad 4.2 \\ - 4.1 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{9} \quad 5.8 \\ - 3.7 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{10} \quad 9.3 \\ + 7.2 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{11} \quad 2.1 \\ + 9.0 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{12} \quad 3.5 \\ + 9.6 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{13} \quad 5.8 \\ - 5.7 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{14} \quad 7.7 \\ - 2.4 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{15} \quad 4.7 \\ - 2.1 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{16} \quad 4.0 \\ + 2.9 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{17} \quad 8.0 \\ + 7.1 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{18} \quad 3.3 \\ + 8.2 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{19} \quad 5.2 \\ + 5.3 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{20} \quad 2.5 \\ - 1.0 \\ \hline \\ \hline \end{array}$$

Score:

1.3.2 Adding and Subtracting 2

$$\begin{array}{r} \textcircled{1} \quad 5.7 \\ + 8.0 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{2} \quad 6.8 \\ + 6.9 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{3} \quad 6.3 \\ - 4.5 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{4} \quad 2.6 \\ + 4.8 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{5} \quad 6.4 \\ - 2.5 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{6} \quad 7.1 \\ - 4.3 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{7} \quad 8.4 \\ + 6.3 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{8} \quad 7.0 \\ - 3.8 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{9} \quad 7.7 \\ + 7.3 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{10} \quad 5.6 \\ + 3.1 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{11} \quad 7.1 \\ - 3.5 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{12} \quad 10.0 \\ + 7.6 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{13} \quad 7.2 \\ + 2.6 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{14} \quad 2.6 \\ + 7.1 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{15} \quad 9.9 \\ + 3.9 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{16} \quad 7.9 \\ - 1.5 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{17} \quad 8.3 \\ - 3.0 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{18} \quad 8.2 \\ - 4.7 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{19} \quad 10.0 \\ - 5.9 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{20} \quad 3.7 \\ - 3.3 \\ \hline \\ \hline \end{array}$$

Score: _____

1.4 Topic 4 — Money

1.4.1 Counting Coins 1

①  _____

②  _____

③  _____

④  _____

⑤  _____

⑥  _____

⑦  _____

⑧  _____

Score: _____

1.4.2 Money in Words 1

① \$11.32 _____

② \$4.64 _____

③ \$37.16 _____

④ \$78.78 _____

⑤ \$1.68 _____

⑥ \$76.03 _____

⑦ \$9.68 _____

⑧ \$98.45 _____

⑨ \$2.04 _____

⑩ \$4.33 _____

Score: _____

1.5 Problem Solving (Number Problems)**1.5.1 Number Problem 1**

- ① _____ A number decreased by 2 is 4. Find the number.
- ② _____ Six more than a number is 13. What is the number?
- ③ _____ A number increased by seven is 15. Find the number.
- ④ _____ Two less than a number is 7. Find the number.
- ⑤ _____ A number decreased by 5 is 4. Find the number.
- ⑥ _____ Seven more than a number is 12. What is the number?
- ⑦ _____ A number increased by three is 7. Find the number.
- ⑧ _____ Five less than a number is 3. Find the number.
- ⑨ _____ A number diminished by 2 is 7. Find the number.
- ⑩ _____ Seven more than a number is 14. What is the number?

Score:

1.5.2 Number Problem 2

- ① _____ Two less than a number is 6. Find the number.
- ② _____ A number increased by four is 6. Find the number.
- ③ _____ Eight more than a number is 16. What is the number?
- ④ _____ A number decreased by 7 is 8. Find the number.
- ⑤ _____ Eight less than a number is 4. Find the number.
- ⑥ _____ A number increased by nine is 18. Find the number.
- ⑦ _____ Two more than a number is 7. What is the number?
- ⑧ _____ A number diminished by 5 is 5. Find the number.
- ⑨ _____ Six less than a number is 6. Find the number.
- ⑩ _____ A number increased by eight is 14. Find the number.

Score:

1.6 Quiz 1

1. How much change from \$2.00 would you receive if these amounts were spent?

(a) 40 cents _____

(b) 125 cents _____

(c) 18 cents _____

(d) 104 cents _____

2. Which 3 coins would make:

(a) 15 cents _____

(b) 65 cent _____

(c) 115 cents _____

(d) 225 cents _____

3. John bought 3 erasers at 30 cents each and 2 pencils at 34 cents each.

(a) How much money did he spend altogether?

(b) How much change did he receive from \$2.00?

4. Which 3 Australia bank notes could be used to make:

(a) \$25 _____

(b) \$75 _____

(c) \$125 _____

5. I bought a magazine for \$1.75 and a book for \$7.25.

(a) How much did I spend altogether?

(b) What change would I receive from a \$20 note?

6. At the fruit market, 6 apples cost \$2.40.

(a) How much does one apple cost?

(b) How much change from \$2.00 would I receive if I bought 3 apples?

7. The sum of two numbers is 12 and their difference is 2. Find these two numbers.

8. John saw some dogs and pigeons in the park. If he counted 14 legs altogether, how many dogs were there?

9. How many 125 g packets of seed can be made from a 2 kg bag of seed?

10. Find the cost of 3 pens at \$3.80 each.

11. To bake a cake it takes 2 hours 15 minutes. If the cake is put in the oven at 3:50 p.m. at what time will it be ready?

12. If this Tuesday is the 17th, what is the date of the following Sunday?

