

Year 3 Term 3 Homework

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

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7 Year 3 Term 3 Week 7 Homework

7.1 Topic 1 — Fraction

7.1.1 Simplifying Fractions 2

$$\textcircled{1} \frac{80}{64} = \underline{\hspace{2cm}} \quad \textcircled{2} \frac{45}{35} = \underline{\hspace{2cm}} \quad \textcircled{3} \frac{50}{20} = \underline{\hspace{2cm}}$$

$$\textcircled{4} \frac{35}{25} = \underline{\hspace{2cm}} \quad \textcircled{5} \frac{171}{63} = \underline{\hspace{2cm}} \quad \textcircled{6} \frac{160}{64} = \underline{\hspace{2cm}}$$

$$\textcircled{7} \frac{40}{32} = \underline{\hspace{2cm}} \quad \textcircled{8} \frac{54}{48} = \underline{\hspace{2cm}} \quad \textcircled{9} \frac{8}{6} = \underline{\hspace{2cm}}$$

$$\textcircled{10} \frac{90}{36} = \underline{\hspace{2cm}} \quad \textcircled{11} \frac{49}{28} = \underline{\hspace{2cm}} \quad \textcircled{12} \frac{16}{6} = \underline{\hspace{2cm}}$$

$$\textcircled{13} \frac{75}{40} = \underline{\hspace{2cm}} \quad \textcircled{14} \frac{72}{54} = \underline{\hspace{2cm}} \quad \textcircled{15} \frac{100}{60} = \underline{\hspace{2cm}}$$

$$\textcircled{16} \frac{54}{30} = \underline{\hspace{2cm}} \quad \textcircled{17} \frac{200}{70} = \underline{\hspace{2cm}} \quad \textcircled{18} \frac{88}{40} = \underline{\hspace{2cm}}$$

Score: _____

7.1.2 Equivalent Fractions 2

① $\frac{2}{10} = \frac{6}{90} = \frac{8}{\quad}$

② $\frac{1}{3} = \frac{8}{\quad} = \frac{6}{\quad} = \frac{4}{\quad}$

③ $\frac{5}{7} = \frac{56}{\quad} = \frac{50}{\quad} = \frac{35}{\quad}$

④ $\frac{8}{11} = \frac{66}{\quad} = \frac{32}{\quad} = \frac{110}{\quad}$

⑤ $\frac{5}{6} = \frac{24}{\quad} = \frac{45}{\quad} = \frac{60}{\quad}$

⑥ $\frac{2}{5} = \frac{40}{\quad} = \frac{8}{\quad} = \frac{15}{\quad}$

⑦ $\frac{4}{5} = \frac{50}{\quad} = \frac{20}{\quad} = \frac{10}{\quad}$

⑧ $\frac{6}{11} = \frac{60}{\quad} = \frac{88}{\quad} = \frac{54}{\quad}$

⑨ $\frac{3}{7} = \frac{49}{\quad} = \frac{18}{\quad} = \frac{14}{\quad}$

⑩ $\frac{9}{10} = \frac{72}{\quad} = \frac{20}{\quad} = \frac{45}{\quad}$

⑪ $\frac{7}{11} = \frac{33}{\quad} = \frac{28}{\quad} = \frac{110}{\quad}$

⑫ $\frac{4}{8} = \frac{36}{\quad} = \frac{24}{\quad} = \frac{8}{\quad}$

⑬ $\frac{6}{7} = \frac{60}{\quad} = \frac{49}{\quad} = \frac{36}{\quad}$

⑭ $\frac{1}{9} = \frac{7}{\quad} = \frac{54}{\quad} = \frac{8}{\quad}$

⑮ $\frac{3}{4} = \frac{12}{\quad} = \frac{32}{\quad} = \frac{9}{\quad}$

⑯ $\frac{2}{9} = \frac{63}{\quad} = \frac{4}{\quad} = \frac{72}{\quad}$

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

⑱ $\frac{2}{3} = \frac{4}{\quad} = \frac{9}{\quad} = \frac{18}{\quad}$

⑲ $\frac{3}{6} = \frac{18}{\quad} = \frac{60}{\quad} = \frac{24}{\quad}$

⑳ $\frac{3}{5} = \frac{21}{\quad} = \frac{40}{\quad} = \frac{12}{\quad}$

Score: _____

7.1.3 Adding Fractions 2

① $\frac{1}{5} + \frac{2}{5} =$ _____

② $\frac{6}{7} + \frac{3}{7} =$ _____

③ $\frac{4}{8} + \frac{6}{8} =$ _____

④ $\frac{1}{3} + \frac{1}{3} =$ _____

⑤ $\frac{1}{7} + \frac{5}{7} =$ _____

⑥ $\frac{1}{2} + \frac{1}{2} =$ _____

⑦ $\frac{2}{9} + \frac{7}{9} =$ _____

⑧ $\frac{2}{7} + \frac{6}{7} =$ _____

⑨ $\frac{5}{6} + \frac{1}{6} =$ _____

⑩ $\frac{2}{6} + \frac{4}{6} =$ _____

⑪ $\frac{5}{7} + \frac{4}{7} =$ _____

⑫ $\frac{6}{8} + \frac{5}{8} =$ _____

⑬ $\frac{2}{4} + \frac{1}{4} =$ _____

⑭ $\frac{8}{9} + \frac{2}{9} =$ _____

⑮ $\frac{3}{4} + \frac{2}{4} =$ _____

⑯ $\frac{3}{6} + \frac{3}{6} =$ _____

⑰ $\frac{2}{5} + \frac{2}{5} =$ _____

⑱ $\frac{5}{8} + \frac{5}{8} =$ _____

⑲ $\frac{2}{8} + \frac{5}{8} =$ _____

⑳ $\frac{5}{9} + \frac{4}{9} =$ _____

Score: _____

7.1.4 Subtracting Fractions 2

① $\frac{2}{3} - \frac{1}{3} =$ _____

② $\frac{3}{5} - \frac{2}{5} =$ _____

③ $\frac{5}{7} - \frac{2}{7} =$ _____

④ $\frac{3}{4} - \frac{1}{4} =$ _____

⑤ $\frac{4}{5} - \frac{3}{5} =$ _____

⑥ $\frac{3}{7} - \frac{2}{7} =$ _____

⑦ $\frac{4}{7} - \frac{1}{7} =$ _____

⑧ $\frac{5}{6} - \frac{4}{6} =$ _____

⑨ $\frac{2}{5} - \frac{1}{5} =$ _____

⑩ $\frac{2}{3} - \frac{1}{3} =$ _____

⑪ $\frac{3}{6} - \frac{1}{6} =$ _____

⑫ $\frac{2}{6} - \frac{1}{6} =$ _____

⑬ $\frac{2}{4} - \frac{1}{4} =$ _____

⑭ $\frac{4}{8} - \frac{3}{8} =$ _____

⑮ $\frac{7}{8} - \frac{1}{8} =$ _____

⑯ $\frac{2}{7} - \frac{1}{7} =$ _____

⑰ $\frac{3}{4} - \frac{1}{4} =$ _____

⑱ $\frac{6}{8} - \frac{3}{8} =$ _____

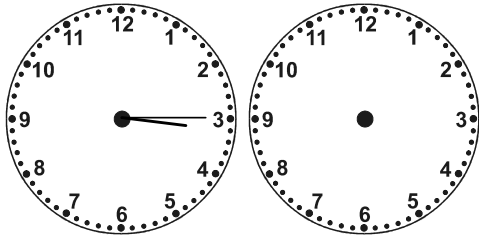
⑲ $\frac{5}{6} - \frac{3}{6} =$ _____

⑳ $\frac{4}{6} - \frac{1}{6} =$ _____

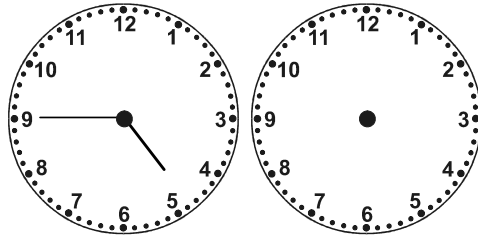
Score: _____

7.2 Topic 2 — Time Passages

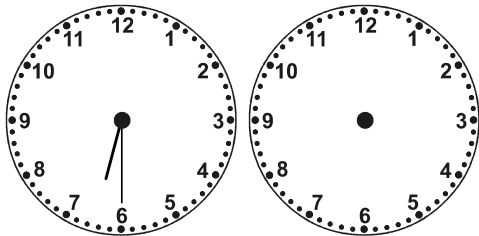
7.2.1 Time Passages 3



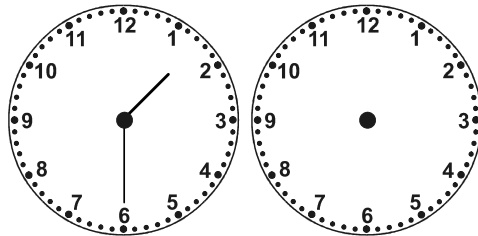
① What time will it be in 2 hr ?



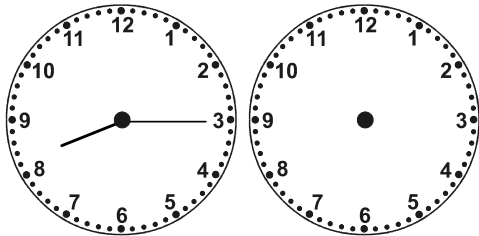
② What time will it be in 2 hr 45 min ?



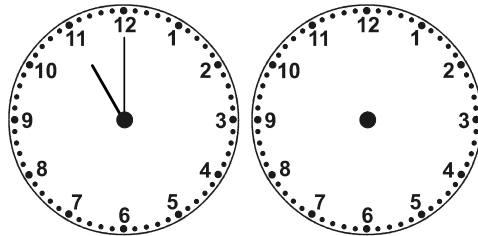
③ What time will it be in 1 hr 45 min ?



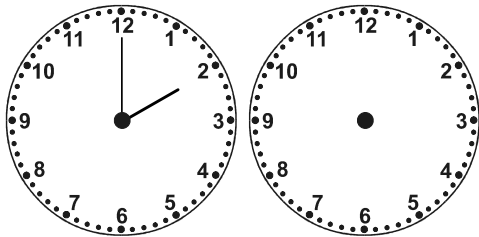
④ What time will it be in 2 hr 15 min ?



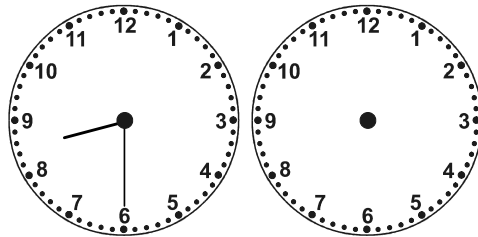
⑤ What time will it be in 2 hr 30 min ?



⑥ What time will it be in 3 hr ?



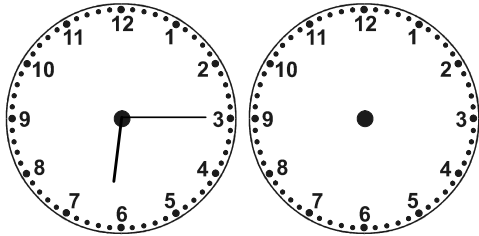
⑦ What time will it be in 2 hr 15 min ?



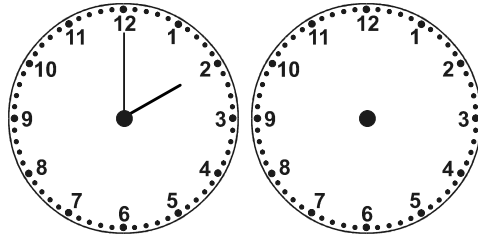
⑧ What time will it be in 3 hr ?

Score: _____

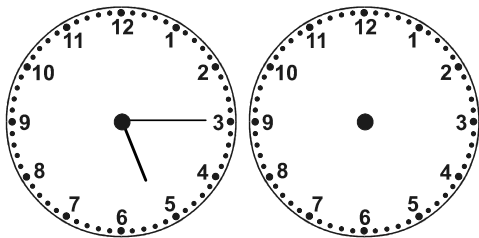
7.2.2 Time Passages 4



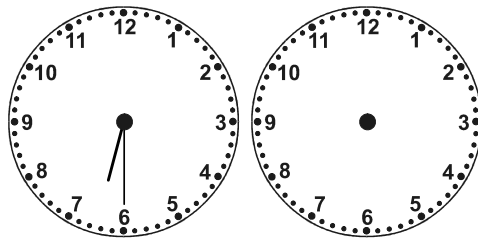
① What time was it 2 hr 30 min ago?



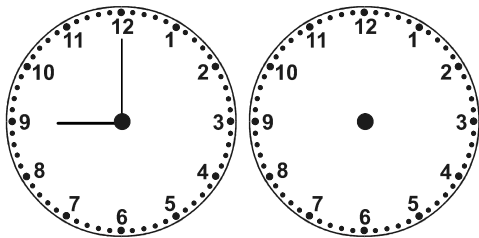
② What time was it 2 hr ago?



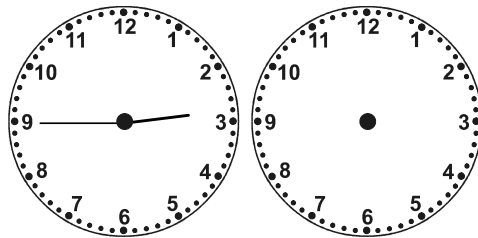
③ What time was it 2 hr 15 min ago?



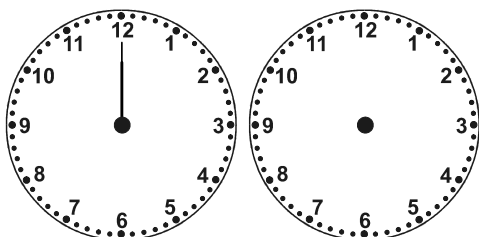
④ What time was it 1 hr 30 min ago?



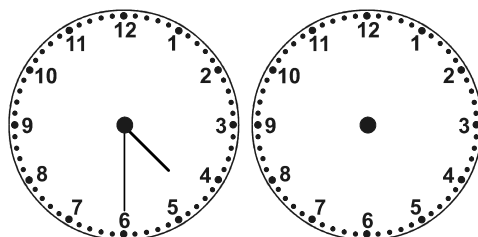
⑤ What time was it 2 hr 15 min ago?



⑥ What time was it 1 hr 15 min ago?



⑦ What time was it 1 hr 45 min ago?



⑧ What time was it 1 hr 30 min ago?

Score: _____

7.3 Topic 3 — Algebra

7.3.1 Number Problem 2

Exercise 7.3.1

1. The difference of a number and two is equal to 6. What is the number?

2. A number diminished by 3 is 6. Find the number.

3. 45 is equal to the product of nine and some number. Find the number.

4. Nine is equal to the quotient of a number and 4. Find the number.

5. Four less than a number is 7. Find the number.

6. Four more than five times a number is 49. What is the number?

7. The difference of a number and three is equal to 9. What is the number?

8. Four times a number decreased by 27 is 17. Find the number.

7.3.2 Equations 2

Exercise 7.3.2

1. $y - 5 = 1$

2. $x + 5 = 8$

3. $z - 4 = 4$

4. $y + 7 = 15$

5. $x - 5 = 12$

6. $x - 7 = 3$

7. $y - 12 = 5$

8. $z - 8 = 12$

7.4 Topic 4 — Problem 1 (Working Backwards)**Exercise 7.4.1**

1. Find the hidden numbers that fulfil the following conditions:

(a) If you add 5 to the number and double the result, you get 18.

(b) If you subtract 5 from a number and double the result, you get 6.

(c) If you double the number and double the result again, you get 16.

(d) If you multiply the number by 5 and then add 5, you get 25.

(e) If you subtract the number by 2, square the result and then add 2, you get 18.

2. What number belongs in the first box of this "flow chart"?

(a)

Start

 →

Multiply by 3

 →

Add 10

 →

Subtract 4

 →

End 18

(b)

Start

 →

Divide by 3

 →

Subtract 4

 →

Add 12

 →

End 14

7.5 Topic 5 — Problem 2 (Guess and check)

Exercise 7.5.1

1. One number is 7 times another. Their sum is 24. Find the numbers.

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

3. The product of two numbers is 18 and their difference is 3. What are the numbers?

4. The product to two number is 24 and their sum is 10. Find the numbers.

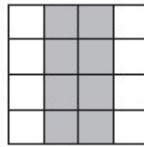
5. Can you guess what number I am? These clues will help you. I have two digits. You can divide me exactly by 6 and 9. My last digit is 2.

6. There are 10 coins consisting of 5-cent coins and 20-cent coins. The total amount is equal to \$1.70. How many of each type?

7.6 Quiz 7

1. Tony had a length of wire which was 126 cm long. He used half of it to make a model. What length of wire did he have left?

2. What fraction of the shape has been shaded? _____



3. Round off these numbers to the next nearest whole ten:

(a) 106 = _____ (b) 452 = _____ (c) 369 = _____

4. Round off these numbers to the next nearest whole hundred:

(a) 106 = _____ (b) 452 = _____ (c) 369 = _____

5. Compare the two sides. Write the correct sign between them. (<, =, >)

(a) half an hour _____ 38 minutes.

(b) a quarter of an hour + 15 minutes _____ half an hour - 5 minutes.

(c) half an hour + 5 minutes _____ a quarter of an hour + 25 minutes.

6. Write the next two numbers of the sequence given below:

63, 60, 59, 55, 54, 49, 48, _____ , _____

7. I have already drunk 3 quarters of a 2 litre bottle of lemonade. What part of the lemonade is left?

8. Joe spent \$100 on his holiday. Tom spent \$50 more than Joe. How much money did they spend altogether?

9. Joe spent \$200 on his holiday. Tom spent one quarter less than Joe. How much did they spend altogether?

10. What is the smallest three digit number you can have from the digits 2, 4, 6, and 8?

11. What is the largest three digit number you can have from digits 1, 3, 5, 9?

12. Nine times a number increased by 5 is 77. Find the number.

13. Nine times a number diminished by 3 is 78. Find the number.

14. $1200 \div 100 + 8 =$ _____

15. $12 \times 100 + 80 =$ _____

16. $12 \times (12 + 4) \div 4 + 4 =$ _____

17. $12 \div 2 \times 3 + 1 =$ _____

18. A glass full of water weighs 400 g. When the glass is half full it weighs 230 g. What does the empty glass weigh?

19. A car travels in a speed of 90 km/h. If the car keeps travelling at the same speed without stopping, how far will it travel in two and a half hours?

20. How many different pairs of children are possible in a group of 4 children?

21. True or False:

(a) The sum of two even numbers is always even. _____

(b) The sum of three even numbers is always even. _____

(c) The product of two even numbers is always even. _____

(d) The sum of two odd numbers is always odd. _____

(e) The product of two odd number is always odd. _____

22. The perimeter of a shape is the distance around the figure. It is the sum of the lengths of the sides.

(a) What is the perimeter of a square with sides of 5 cm?

(b) What is the perimeter of a rectangle with one side measures 5 cm and another side measures 10 cm?

23. If 2 kg of grapes cost \$16,

(a) what would 250 grams cost?

(b) How much did I buy if I spent \$20?

24. Martin swims 250 metres everyday.

(a) How far does he swim in a fortnight?

(b) How many days does it take him to swim 2 km?

25. Suppose you enter an elevator at a certain floor. Then the elevator moves down 5 floors, up 7 floors, and down 3 floors. You are at 8. At which floor did you initially enter the elevator?

26. Holly's aunt is arriving on a plane which is due to land at 13:45. What time will it land if the plane is 20 minutes late?

27. Jane has 55 marbles. She puts them into groups of 8. How many will be left over?

Exercise 7.6.1

1. How many minutes are there in one and a half hours? _____
2. How many minutes are there in two and a half hours? _____
3. How many minutes are there in four and a quarter hours? _____
4. How many minutes are there from 8:30 a.m to 9:45 a.m? _____
5. How many minute are there from 3:20 p.m. to 7:00 p.m? _____
6. How many minutes are there from 9:30 a.m to 2:00 p.m.? _____
7. How many second are there in 2 and a half minutes? _____
8. How many seconds are there in half a hours? _____
9. How many seconds are there in 3 and a quarter minutes? _____
10. How many seconds are there from 3:50 p.m. to 4:30 p.m? _____
11. How many seconds are there in one hour? _____
12. How many minutes are there in one day? _____
13. How many minutes are from 10:15 a.m to 2:45 p.m? _____
14. How many days are there in 4 weeks? _____
15. How many week are there in a year? _____