

Year 3 Term 3 Homework

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

Table of contents

6	Year 3 Term 3 Week 6 Homework	1
6.1	Topic 1 — Fraction	1
6.1.1	Simplifying Fractions	1
6.1.2	Equivalent Fractions	2
6.1.3	Adding Fractions	3
6.1.4	Subtracting Fractions	4
6.2	Topic 2 — Time Passages	5
6.2.1	Time Passages 1	5
6.2.2	Time Passages 2	6
6.3	Topic 3 — Algebra	7
6.3.1	Number Problem 1	7
6.3.2	Equations 1	8
6.4	Topic 4 — Problem Solving 1	9
6.5	Topic 5 — Problem Solving 2	10
6.6	Quiz 6	11

This edition was printed on February 15, 2017.

Camera ready copy was prepared with the **LaTeX2e** typesetting system.

Copyright © 2000 - 2017 Yimin Math Centre (www.yiminmathcentre.com)

6 Year 3 Term 3 Week 6 Homework

6.1 Topic 1 — Fraction

6.1.1 Simplifying Fractions

$$\textcircled{1} \frac{64}{88} = \underline{\hspace{2cm}} \quad \textcircled{2} \frac{24}{32} = \underline{\hspace{2cm}} \quad \textcircled{3} \frac{35}{77} = \underline{\hspace{2cm}}$$

$$\textcircled{4} \frac{2}{4} = \underline{\hspace{2cm}} \quad \textcircled{5} \frac{12}{28} = \underline{\hspace{2cm}} \quad \textcircled{6} \frac{4}{14} = \underline{\hspace{2cm}}$$

$$\textcircled{7} \frac{3}{27} = \underline{\hspace{2cm}} \quad \textcircled{8} \frac{12}{32} = \underline{\hspace{2cm}} \quad \textcircled{9} \frac{36}{81} = \underline{\hspace{2cm}}$$

$$\textcircled{10} \frac{10}{70} = \underline{\hspace{2cm}} \quad \textcircled{11} \frac{2}{6} = \underline{\hspace{2cm}} \quad \textcircled{12} \frac{16}{24} = \underline{\hspace{2cm}}$$

$$\textcircled{13} \frac{3}{12} = \underline{\hspace{2cm}} \quad \textcircled{14} \frac{24}{27} = \underline{\hspace{2cm}} \quad \textcircled{15} \frac{40}{56} = \underline{\hspace{2cm}}$$

$$\textcircled{16} \frac{28}{32} = \underline{\hspace{2cm}} \quad \textcircled{17} \frac{8}{10} = \underline{\hspace{2cm}} \quad \textcircled{18} \frac{6}{12} = \underline{\hspace{2cm}}$$

Score: _____

6.1.2 Equivalent Fractions

$$\textcircled{1} \quad \frac{3}{5} = \frac{9}{15} = \frac{24}{40}$$

$$\textcircled{2} \quad \frac{2}{4} = \frac{16}{40} = \frac{12}{30}$$

$$\textcircled{3} \quad \frac{1}{2} = \frac{5}{10} = \frac{7}{14}$$

$$\textcircled{4} \quad \frac{1}{4} = \frac{8}{32} = \frac{12}{48}$$

$$\textcircled{5} \quad \frac{2}{3} = \frac{4}{6} = \frac{10}{15}$$

$$\textcircled{6} \quad \frac{1}{7} = \frac{10}{70} = \frac{4}{28}$$

$$\textcircled{7} \quad \frac{1}{9} = \frac{6}{54} = \frac{8}{72}$$

$$\textcircled{8} \quad \frac{4}{6} = \frac{12}{18} = \frac{16}{24}$$

$$\textcircled{9} \quad \frac{1}{3} = \frac{2}{6} = \frac{10}{30}$$

$$\textcircled{10} \quad \frac{8}{9} = \frac{72}{81} = \frac{16}{18}$$

$$\textcircled{11} \quad \frac{5}{8} = \frac{40}{64} = \frac{45}{72}$$

$$\textcircled{12} \quad \frac{7}{8} = \frac{63}{72} = \frac{56}{64}$$

$$\textcircled{13} \quad \frac{4}{5} = \frac{20}{25} = \frac{32}{40}$$

$$\textcircled{14} \quad \frac{2}{6} = \frac{10}{30} = \frac{16}{48}$$

$$\textcircled{15} \quad \frac{5}{7} = \frac{15}{21} = \frac{10}{14}$$

$$\textcircled{16} \quad \frac{4}{7} = \frac{36}{63} = \frac{28}{49}$$

$$\textcircled{17} \quad \frac{3}{6} = \frac{18}{36} = \frac{24}{48}$$

$$\textcircled{18} \quad \frac{3}{9} = \frac{9}{27} = \frac{6}{18}$$

$$\textcircled{19} \quad \frac{3}{4} = \frac{24}{32} = \frac{15}{20}$$

$$\textcircled{20} \quad \frac{1}{5} = \frac{2}{10} = \frac{7}{35}$$

Score: _____

6.1.3 Adding Fractions

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: _____

6.1.4 Subtracting Fractions

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 $\frac{6}{8} - \frac{3}{8} =$ _____

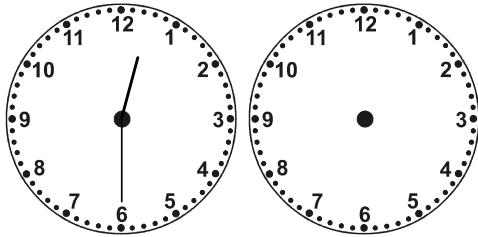
⑲ $\frac{5}{6} - \frac{3}{6} =$ _____

⑳ $\frac{4}{6} - \frac{1}{6} =$ _____

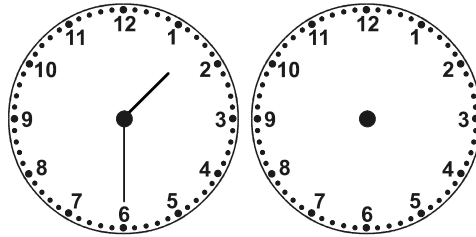
Score: _____

6.2 Topic 2 — Time Passages

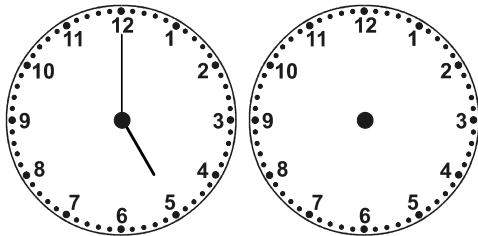
6.2.1 Time Passages 1



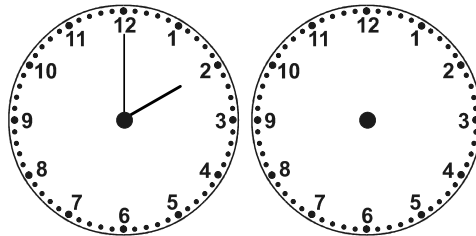
① What time will it be in 2 hr ?



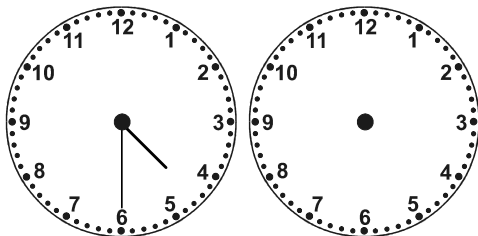
② What time will it be in 2 hr ?



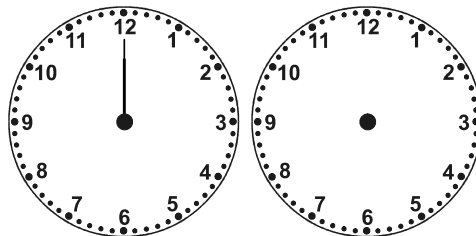
③ What time will it be in 1 hr 30 min ?



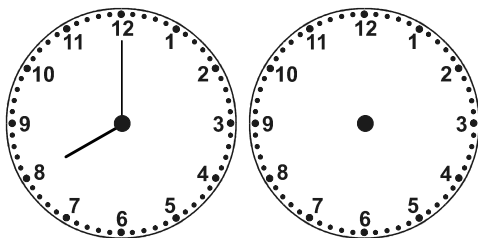
④ What time will it be in 2 hr ?



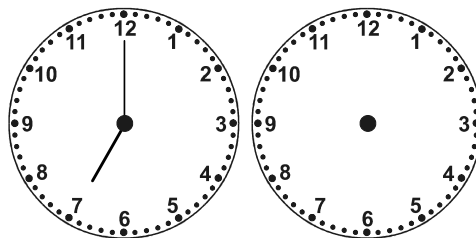
⑤ What time will it be in 2 hr ?



⑥ What time will it be in 2 hr ?



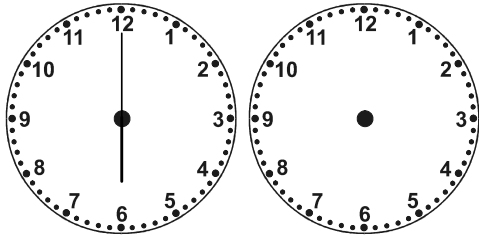
⑦ What time will it be in 1 hr 30 min ?



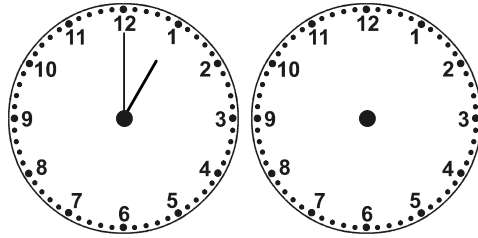
⑧ What time will it be in 2 hr ?

Score: _____

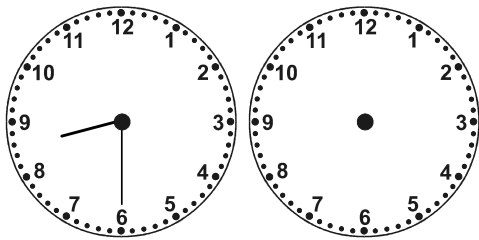
6.2.2 Time Passages 2



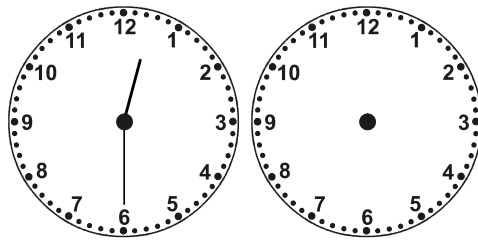
① What time was it 2 hr ago?



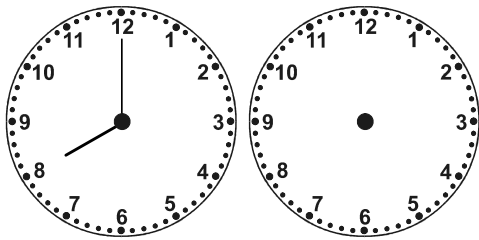
② What time was it 2 hr ago?



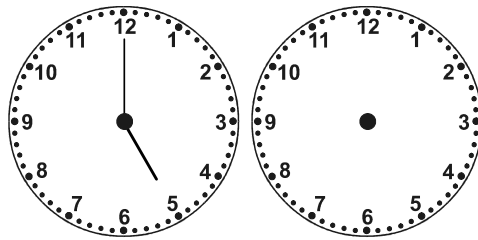
③ What time was it 1 hr 30 min ago?



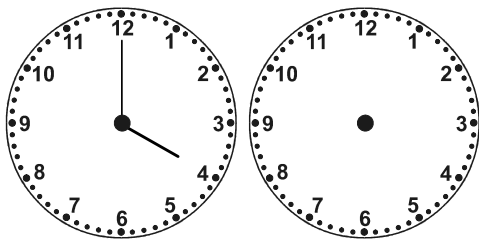
④ What time was it 1 hr 30 min ago?



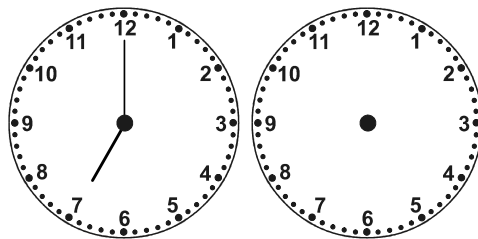
⑤ What time was it 1 hr 30 min ago?



⑥ What time was it 1 hr 30 min ago?



⑦ What time was it 2 hr ago?



⑧ What time was it 2 hr ago?

Score: _____

6.3 Topic 3 — Algebra

6.3.1 Number Problem 1

Exercise 6.3.1

1. A number increased by two is 6. Find the number.

2. Six more than a number is 14. What is the number?

3. 56 is equal to product of eight and some number. Find the number.

4. Two less than a number is 7. Find the number.

5. The quotient of a number and ten is 10. Find the number.

6. The product of five and a number is 35. What is the number?

7. Three times a number is 9. What is the number?

8. The sum of a number and nine is 20. Find the number.

6.3.2 Equations 1**Exercise 6.3.2**

1. $x + 3 = 13$

2. $y - 8 = 1$

3. $y - 6 = 2$

4. $x + 5 = 8$

5. $x - 9 = 7$

6. $y - 6 = 3$

7. $x - 2 = 12$

8. $y + 7 = 11$

6.4 Topic 4 — Problem Solving 1

Exercise 6.4.1

1. The sum of two numbers is 14 and their difference is 2. Find the numbers.

2. The price of an exercise book and a pen at the newsagent was \$2.80. If the exercise book costs three times as much as the pen, how much was the exercise book?

3. Raymond and Jessica visited a farm and saw some chickens and cows. They counted 9 animals and 26 legs altogether. How many chickens and cows did they see?

4. A bottle of soft drink costs \$1.20. The drink costs 90 cents more than the bottle. What is the cost of the bottle?

5. A book and a pen weigh 500 grams. How much does the book weigh if the book weighs 460 more than the pen?

6.5 Topic 5 — Problem Solving 2

Exercise 6.5.1

1. *Mary has some 5c and 10c coins in her pocket. How many coins of each value does she have if they make a total of 80 cents, consisting of 10 coins?*

2. *John and David together weigh 56 kg. How much does David weigh if John weighs 2 kg more than David?*

3. *An exercise book costs \$1.50. A pencil case costs \$1.80. What is the total cost of eight of each type?*

4. *How many minutes are there from half past 5 to 8 twenty?*

5. *A rectangle has a perimeter of 38 cm. If one side of the rectangle is 12 cm long. What is the length of the other side?*

6.6 Quiz 6

1. Round off 4162 to the nearest 100.

2. Place value of 3 in 23145.

3. Write 345 in words.

4. At what temperature does water boil?

5. What is the perimeter of a square with sides of 6 cm?

6. Write 5 tenths as a decimal.

7. Is 28658 smaller than 28785?

8. Change from \$2 if I bought three 40 cents toffees?

9. How many ones are there in 345?

14. How many tens are there in 3457?

15. How much do 6 pencils cost if each costs 25 cents?

16. How many days are there in 3 fortnights?

17. What is the perimeter of a rectangle with sides 3 m and 6 m?

18. Half of 126.

19. Make the largest possible numeral from 4, 7, 8, 2.

20. How many centimetres are there in 40 millimetres?

21. List the factors of 24.

22. Find the average of 6, 8 and 10.

23. How many days are there in a leap year?

24. What was the average speed of a car that travelled 30 km in 30 minutes?

25. How many minutes are there from 10:20 a.m. to 11:35 a.m.?

26. Is 32 a multiple of 4? (Yes / No) _____

27. $5000 + 900 + 30 + 7 =$ _____

28. How many 20c coins are there in \$4.60?

29. How many hundreds are there in 4325?

30. How many minutes are there from 11:15 a.m. to 1: 28 p.m.?

31. Change from \$5 if I spent \$2.57?

32. What number is 1000 less than 45203?

33. Are 63 and 42 both multiples of 9?

34. Write 19 out of 30 as a fraction.

35. Write Hindu Arabic for LXVIII.

36. Share \$48 between six people.

37. Find the difference between $17^{\circ}C$ and $32^{\circ}C$.

38. How many seconds are there in $2\frac{1}{3}$ minutes?

39. Was 1988 a leap year? (Yes / No) _____

40. $9^2 =$ _____