

Year 3 Term 4 Homework Answers

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

Table of contents

1	Year 3 Term 4 Week 1 Answers	1
1.1	Topic 1 — Fraction	1
1.1.1	Simplifying Fractions 1	1
1.1.2	Equivalent Fractions 1	2
1.1.3	Adding Fractions 1	3
1.1.4	Subtracting Fractions 1	4
1.1.5	Multiplying Fractions 1	5
1.1.6	Dividing Fractions 1	6
1.2	Topic 2 — Algebra	7
1.2.1	Number Problem 1	7
1.2.2	Equations 1	8
1.3	Topic 3 — Time Passages	9
1.3.1	Time Passages 1	9
1.4	Topic 4 — Number Patterns	10
1.4.1	Number Pattern 1	10
1.5	Topic 5 — Measurements	11
1.6	Quiz 31	11

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1 Year 3 Term 4 Week 1 Answers

1.1 Topic 1 — Fraction

1.1.1 Simplifying Fractions 1

① $\frac{9}{27} = \frac{1}{3}$ _____

② $\frac{15}{33} = \frac{5}{11}$ _____

③ $\frac{60}{48} = 1\frac{1}{4}$ _____



④ $\frac{160}{64} = 2\frac{1}{2}$ _____

⑤ $\frac{24}{40} = \frac{3}{5}$ _____

⑥ $\frac{21}{28} = \frac{3}{4}$ _____

⑦ $\frac{84}{30} = 2\frac{4}{5}$ _____

⑧ $\frac{8}{20} = \frac{2}{5}$ _____

⑨ $\frac{16}{24} = \frac{2}{3}$ _____

⑩ $\frac{99}{54} = 1\frac{5}{6}$ _____

⑪ $\frac{84}{32} = 2\frac{5}{8}$ _____

⑫ $\frac{92}{44} = 2\frac{1}{11}$ _____

⑬ $\frac{6}{12} = \frac{1}{2}$ _____

⑭ $\frac{8}{56} = \frac{1}{7}$ _____

⑮ $\frac{15}{55} = \frac{3}{11}$ _____

⑯ $\frac{5}{10} = \frac{1}{2}$ _____

⑰ $\frac{56}{24} = 2\frac{1}{3}$ _____

⑱ $\frac{16}{32} = \frac{1}{2}$ _____

Score: _____

1.1.2 Equivalent Fractions 1

$$\textcircled{1} \quad \frac{4}{6} = \frac{36}{54} = \frac{24}{36} = \frac{40}{60}$$

$$\textcircled{2} \quad \frac{5}{6} = \frac{20}{24} = \frac{10}{12} = \frac{50}{60}$$



$$\textcircled{3} \quad \frac{4}{9} = \frac{20}{45} = \frac{24}{54} = \frac{12}{27}$$

$$\textcircled{4} \quad \frac{1}{3} = \frac{8}{24} = \frac{4}{12} = \frac{2}{6}$$

$$\textcircled{5} \quad \frac{3}{7} = \frac{6}{14} = \frac{12}{28} = \frac{24}{56}$$

$$\textcircled{6} \quad \frac{1}{6} = \frac{4}{24} = \frac{7}{42} = \frac{2}{12}$$

$$\textcircled{7} \quad \frac{4}{5} = \frac{36}{45} = \frac{8}{10} = \frac{28}{35}$$

$$\textcircled{8} \quad \frac{2}{5} = \frac{8}{20} = \frac{18}{45} = \frac{20}{50}$$

$$\textcircled{9} \quad \frac{3}{4} = \frac{21}{28} = \frac{6}{8} = \frac{15}{20}$$

$$\textcircled{10} \quad \frac{10}{11} = \frac{100}{110} = \frac{50}{55} = \frac{60}{66}$$

$$\textcircled{11} \quad \frac{4}{12} = \frac{40}{120} = \frac{8}{24} = \frac{24}{72}$$

$$\textcircled{12} \quad \frac{3}{5} = \frac{12}{20} = \frac{6}{10} = \frac{24}{40}$$

$$\textcircled{13} \quad \frac{3}{9} = \frac{9}{27} = \frac{30}{90} = \frac{6}{18}$$

$$\textcircled{14} \quad \frac{2}{3} = \frac{12}{18} = \frac{18}{27} = \frac{14}{21}$$

$$\textcircled{15} \quad \frac{5}{9} = \frac{20}{36} = \frac{50}{90} = \frac{25}{45}$$

$$\textcircled{16} \quad \frac{2}{7} = \frac{14}{49} = \frac{16}{56} = \frac{18}{63}$$

1.1.3 Adding Fractions 1



$$\textcircled{1} \quad \frac{3}{4} + \frac{4}{5} = 1 \frac{11}{20}$$

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

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

$$\textcircled{4} \quad \frac{1}{3} + \frac{2}{5} = \frac{11}{15}$$

$$\textcircled{5} \quad \frac{3}{6} + \frac{2}{4} = 1$$

$$\textcircled{6} \quad \frac{4}{6} + \frac{1}{4} = \frac{11}{12}$$

$$\textcircled{7} \quad \frac{1}{4} + \frac{5}{6} = 1 \frac{1}{12}$$

$$\textcircled{8} \quad \frac{4}{5} + \frac{1}{6} = \frac{29}{30}$$

$$\textcircled{9} \quad \frac{2}{4} + \frac{3}{4} = 1 \frac{1}{4}$$

$$\textcircled{10} \quad \frac{2}{5} + \frac{1}{3} = \frac{11}{15}$$

Score: _____

1.1.4 Subtracting Fractions 1



$$\textcircled{1} \quad \frac{4}{6} - \frac{1}{6} = \frac{1}{2}$$

$$\textcircled{2} \quad 1\frac{5}{6} - 1\frac{1}{6} = \frac{2}{3}$$

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

$$\textcircled{4} \quad 2\frac{2}{4} - 2\frac{1}{4} = \frac{1}{4}$$

$$\textcircled{5} \quad \frac{2}{4} - \frac{1}{4} = \frac{1}{4}$$

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

$$\textcircled{7} \quad \frac{5}{8} - \frac{2}{8} = \frac{3}{8}$$

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

$$\textcircled{9} \quad 1\frac{3}{5} - 1\frac{2}{5} = \frac{1}{5}$$

$$\textcircled{10} \quad 2\frac{1}{3} - 1\frac{2}{3} = \frac{2}{3}$$

Score: _____

1.1.5 Multiplying Fractions 1



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

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

$$\textcircled{3} \quad \frac{1}{3} \times \frac{4}{5} = \frac{4}{15}$$

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

$$\textcircled{5} \quad \frac{2}{3} \times \frac{2}{6} = \frac{2}{9}$$

$$\textcircled{6} \quad \frac{2}{4} \times \frac{1}{6} = \frac{1}{12}$$

$$\textcircled{7} \quad \frac{3}{5} \times \frac{1}{3} = \frac{1}{5}$$

$$\textcircled{8} \quad \frac{5}{6} \times \frac{4}{6} = \frac{5}{9}$$

$$\textcircled{9} \quad \frac{2}{6} \times \frac{3}{5} = \frac{1}{5}$$

$$\textcircled{10} \quad \frac{2}{5} \times \frac{2}{5} = \frac{4}{25}$$

Score: _____

1.1.6 Dividing Fractions 1



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

$$\textcircled{2} \quad \frac{2}{5} \div \frac{2}{3} = \frac{3}{5}$$

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

$$\textcircled{4} \quad \frac{1}{4} \div \frac{2}{5} = \frac{5}{8}$$

$$\textcircled{5} \quad \frac{2}{6} \div \frac{1}{5} = 1\frac{2}{3}$$

$$\textcircled{6} \quad \frac{4}{5} \div \frac{3}{4} = 1\frac{1}{15}$$

$$\textcircled{7} \quad \frac{3}{6} \div \frac{2}{6} = 1\frac{1}{2}$$

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

$$\textcircled{9} \quad \frac{1}{5} \div \frac{1}{3} = \frac{3}{5}$$

$$\textcircled{10} \quad \frac{5}{6} \div \frac{3}{6} = 1\frac{2}{3}$$

Score: _____

1.2 Topic 2 — Algebra**1.2.1 Number Problem 1**

- ① 15 Four-fifths of a number decreased by 3 is 9. Find the number.
- ② 4 The product of two and a number is 8. What is the number?
- ③ 6 A number increased by four is 10. Find the number.
- ④ 10 Three-fifths of a number increased by 4 is 10. What is the number?
- ⑤ 16 The difference of a number and ten is equal to 6. What is the number?
- ⑥ 2 Three times a number is 6. What is the number?
- ⑦ 3 Twice a number decreased by 4 is 2. Find the number.
- ⑧ 12 Seven times a number increased by 8 is 92. Find the number.
- ⑨ 10 Five less than a number is 5. Find the number.
- ⑩ 10 Five more than a number is 15. What is the number?

Score: _____

1.2.2 Equations 1



① $x - 3 = -1$ $x = 2$

② $x - 3 = 6$ $x = 9$

③ $z + 5 = 9$ $z = 4$

④ $x - 4 = 3$ $x = 7$

⑤ $z - 2 = 3$ $z = 5$

⑥ $z - 4 = -2$ $z = 2$

⑦ $7z - 8 = 13$ $z = 3$

⑧ $z + 7 = 12$ $z = 5$

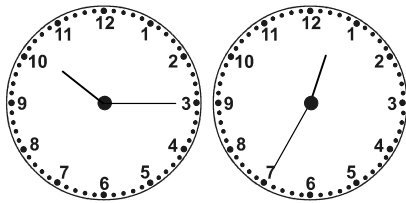
⑨ $8z - 2 = 54$ $z = 7$

⑩ $2y + 5 = 23$ $y = 9$

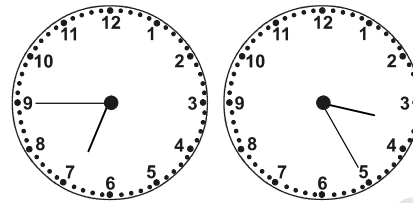
Score: _____

1.3 Topic 3 — Time Passages

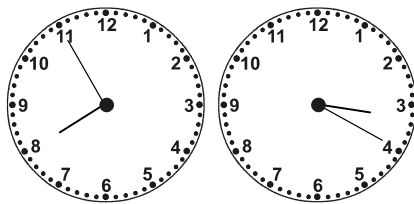
1.3.1 Time Passages 1



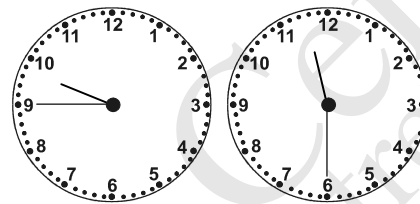
① What time will it be in 2 hr 20 min ?



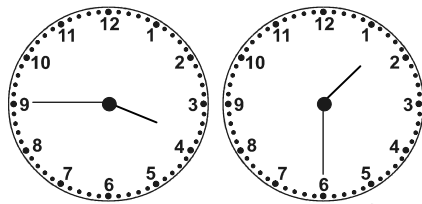
② What time was it 3 hr 20 min ago?



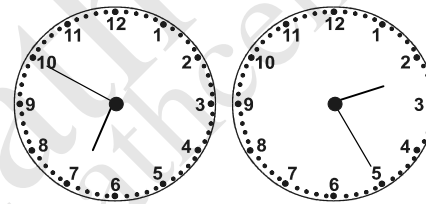
③ What time was it 4 hr 35 min ago?



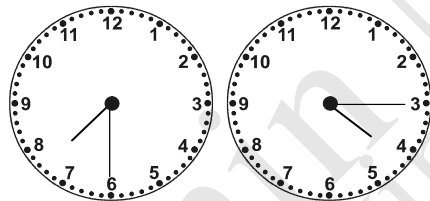
④ What time will it be in 1 hr 45 min ?



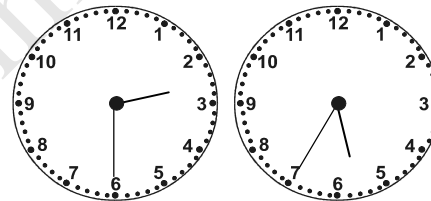
⑤ What time was it 2 hr 15 min ago?



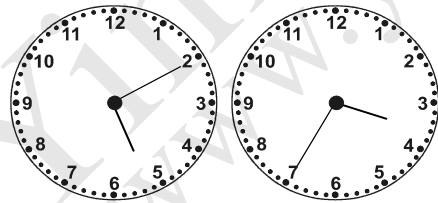
⑥ What time was it 4 hr 25 min ago?



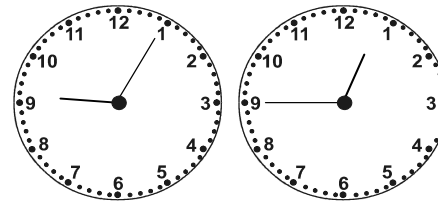
⑦ What time was it 3 hr 15 min ago?



⑧ What time will it be in 3 hr 5 min ?



⑨ What time was it 1 hr 35 min ago?



⑩ What time will it be in 3 hr 40 min ?

Score: _____

1.4 Topic 4 — Number Patterns**1.4.1 Number Pattern 1**

① 95, 93, 89, 83, 75, 65, 53, 39, 23 (- 2 - 4 - 6 - 8 - 10...)



② 7, 14, 11, 22, 19, 38, 35, 70, 67 ($\times 2 - 3 \times 2 - 3 \times 2 - 3 \dots$)

③ 81, 77, 81, 76, 80, 74, 78, 71, 75 (- 4 + 4 - 5 + 4 - 6 + 4...)

④ 35, 43, 47, 56, 60, 70, 74, 85, 89 (+ 8 + 4 + 9 + 4 + 10 + 4...)

⑤ 6, 13, 19, 24, 28, 31, 33, 34, 34 (+ 7 + 6 + 5 + 4...)

⑥ 28, 30, 33, 37, 42, 48, 55, 63, 72 (+ 2 + 3 + 4 + 5...)

⑦ 78, 76, 77, 74, 75, 71, 72, 67, 68 (- 2 + 1 - 3 + 1 - 4 + 1...)

⑧ 95, 92, 87, 80, 71, 60, 47, 32, 15 (- 3 - 5 - 7 - 9 - 11...)

⑨ 62, 59, 57, 53, 51, 46, 44, 38, 36 (- 3 - 2 - 4 - 2 - 5 - 2...)

⑩ 94, 91, 86, 79, 70, 59, 46, 31, 14 (- 3 - 5 - 7 - 9 - 11...)

Score:

1.5 Topic 5 — Measurements

(5-1) $P = 150 \text{ cm}$, $A = 900 \text{ cm}^2$ (5-2) $P = 160 \text{ cm}$, $A = 900 \text{ cm}^2$; (5-3) $P = 180 \text{ cm}$, $A = 800 \text{ cm}^2$;
(5-4) $P = 170 \text{ cm}$, $A = 1050 \text{ cm}^2$; (5-5) $P = 170 \text{ cm}$, $A = 1050 \text{ cm}^2$;

1.6 Quiz 31

(1) 550 cm ; (2) 2500 mm ; (3) 0.75 km ; (4) \$1.25; (5) 5 kg ; (6) 20 ; (7) 16;
(8) 50 ; (9) 3 ; (10) \$2.50 ; (11) \$2.50 ; (12) \$28.65 ; (13) 44 ; (14) $P = 190 \text{ cm}$;
(15) $P = 190 \text{ cm}$; (16) $P = 120 \text{ cm}$, $A = 600 \text{ cm}^2$; (17) $P = 130 \text{ cm}$, $A = 750 \text{ cm}^2$;
(18) C ; (19) B ; (20) C ; (21) D ; (22) B ; (23) B ; (24) B; (25) A ; (26) D ;
(27) B ; (28) D ;

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