

Year 3 Term 4 Homework

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

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8 Year 5 Term 4 Week 8 Homework

8.1 Topic 1 — Fraction

8.1.1 Adding & Subtracting Fractions 7

$$\textcircled{1} \frac{2}{7} - \frac{1}{9} = \underline{\hspace{10cm}}$$

$$\textcircled{2} 4\frac{5}{7} - 1\frac{2}{3} = \underline{\hspace{10cm}}$$

$$\textcircled{3} 2\frac{4}{8} + 4\frac{2}{8} = \underline{\hspace{10cm}}$$

$$\textcircled{4} 3\frac{8}{9} + 5\frac{7}{8} = \underline{\hspace{10cm}}$$

$$\textcircled{5} 1\frac{2}{4} - \frac{6}{9} = \underline{\hspace{10cm}}$$

$$\textcircled{6} 5\frac{1}{7} - 3\frac{3}{4} = \underline{\hspace{10cm}}$$

$$\textcircled{7} 1\frac{3}{5} - \frac{4}{9} = \underline{\hspace{10cm}}$$

$$\textcircled{8} \frac{3}{4} + 3\frac{3}{8} = \underline{\hspace{10cm}}$$

$$\textcircled{9} 5\frac{5}{8} - \frac{1}{8} = \underline{\hspace{10cm}}$$

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

Score:

8.1.2 Multiplying & dividing Fractions 7

$$\textcircled{1} \quad 3\frac{1}{5} \times 4\frac{4}{9} = \underline{\hspace{10cm}}$$

$$\textcircled{2} \quad \frac{3}{8} \div \frac{3}{9} = \underline{\hspace{10cm}}$$

$$\textcircled{3} \quad 1\frac{7}{8} \div 3\frac{3}{5} = \underline{\hspace{10cm}}$$

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

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

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

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

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

$$\textcircled{9} \quad 4\frac{2}{9} \times 2\frac{6}{8} = \underline{\hspace{10cm}}$$

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

Score:

8.1.3 Multiplying Fraction & Whole Number 2

① $\frac{1}{2}$ of 16 = _____

② $\frac{6}{7}$ of 21 = _____

③ $\frac{1}{4}$ of 12 = _____

④ $\frac{1}{7}$ of 49 = _____

⑤ $\frac{2}{3}$ of 78 = _____

⑥ $\frac{3}{5}$ of 35 = _____

⑦ $\frac{1}{6}$ of 42 = _____

⑧ $\frac{2}{9}$ of 36 = _____

⑨ $\frac{5}{6}$ of 96 = _____

⑩ $\frac{2}{7}$ of 42 = _____

⑪ $\frac{4}{7}$ of 63 = _____

⑫ $\frac{3}{4}$ of 48 = _____

⑬ $\frac{6}{8}$ of 80 = _____

⑭ $\frac{4}{6}$ of 24 = _____

⑮ $\frac{3}{7}$ of 70 = _____

⑯ $\frac{1}{5}$ of 95 = _____

Score: _____

8.1.4 Dividing Fraction & Whole Number 2

① $2 \div \frac{1}{3} =$ _____

② $6 \div \frac{1}{2} =$ _____

③ $19 \div \frac{4}{6} =$ _____

④ $17 \div \frac{3}{4} =$ _____

⑤ $18 \div \frac{1}{4} =$ _____

⑥ $1 \div \frac{2}{4} =$ _____

⑦ $13 \div \frac{1}{5} =$ _____

⑧ $15 \div \frac{4}{5} =$ _____

⑨ $11 \div \frac{2}{3} =$ _____

⑩ $16 \div \frac{3}{6} =$ _____

⑪ $7 \div \frac{2}{6} =$ _____

⑫ $10 \div \frac{3}{5} =$ _____

⑬ $8 \div \frac{1}{6} =$ _____

⑭ $5 \div \frac{5}{6} =$ _____

⑮ $3 \div \frac{2}{5} =$ _____

⑯ $14 \div \frac{1}{6} =$ _____

Score:

8.2 Topic 2 — Multiple Operations**8.2.1 Multiple Operations 3**

① $(12 + 2) \div 5 =$ _____

② $5 + 9 \times 12 + 8 =$ _____

③ $4 \times (5 + 6) =$ _____

④ $(4 + 5) \times (6 + 11) =$ _____

⑤ $(2 + 11) \div 3 =$ _____

⑥ $(8 + 12) \times (6 + 3) =$ _____

⑦ $3 \times (5 + 2) =$ _____

⑧ $9 \times (8 + 13) =$ _____

⑨ $14 \times (4 + 9) =$ _____

⑩ $(7 \times 3) - (6 + 11) =$ _____

⑪ $(8 + 9) \times (14 + 6) =$ _____

⑫ $(11 \times 10) - (8 + 1) =$ _____

Score:

8.2.2 Multiple Operations 4

① $(14 + 4) \div 3 =$ _____

② $(5 + 4) \div 10 =$ _____

③ $(9 + 7) \div 12 =$ _____

④ $(2 \times 10) - (12 + 3) =$ _____

⑤ $12 + 9 \times 6 + 5 =$ _____

⑥ $(3 + 8) \times (10 + 2) =$ _____

⑦ $13 + 4 \times 2 + 3 =$ _____

⑧ $(7 + 14) \times (5 + 4) =$ _____

⑨ $(14 + 9) \div 4 =$ _____

⑩ $3 + 14 \times 7 + 11 =$ _____

⑪ $14 \times (1 + 7) =$ _____

⑫ $5 \times (4 + 1) =$ _____

Score:

8.3 Topic 3 — Problem Solving

Exercise 8.3.1 The distance travelled by a airplane from New York to London is 5586 km.

1. What is this distance rounded to the nearest 10 km? _____
2. What is this distance rounded to the nearest 100 km? _____
3. What is this distance rounded to the nearest 1000 km? _____

Exercise 8.3.2 Which compass point would we reach if we:

1. faced NW then turned 1 right angle to the right? _____
2. faced SE and turned 1 and a half right angles to left? _____
3. faced SW and turned 2 right angles to the right? _____

Exercise 8.3.3

1. Charlie bought 6 kg 720 g of apples. Linda bought 7 kg 150 g more than Charlie. What weight of apples did Linda buy?

2. A taxi can carry 5 passengers at most. What would be the least number of taxis needed in order to carry a bridal party of 23 people?

3. We bought a second hand car for \$8125 but had to sell it for \$3938. How much did we lose?

8.4 Diagnostic Test

1. Which compass point would we reach if we face NE and turned half a right angle to the right? [5]

1. _____

2. If there are 7 kg of beans in each box, how many kg of beans are there in 1205 boxes? [5]

2. _____

3. How many kg do 405 bricks weigh if each brick weighs 1.8 kg? [5]

3. _____

4. Ben has \$720, which is 8 times as much as Paula has. How much does Paula have? [5]

4. _____

5. The farmer's wife packed 480 eggs into boxes which could hold 6 eggs. How many boxes did she need? [5]

5. _____

6. What is the distance between 78 telegraph poles, set 42 metres apart? [5]

6. _____

7. There were 10482 litres of water in a tank. The farmer used 7856 litres of the water to spray his fields. How much water was left in the tank? [5]

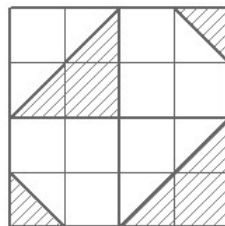
7. _____

8. Fred gathered 3465 kg of green apples, 9867 kg of red apples and 968 kg of plums from his orchard. How much fruit did Fred gather altogether? [5]

8. _____

9. $6\frac{3}{5}$ is the same as: [4]
- (A) $\frac{23}{3}$ (B) $\frac{33}{5}$ (C) $\frac{23}{5}$ (D) $\frac{35}{3}$
10. Which one of the following has the largest answer? [4]
- (A) $\frac{1}{5} \times 15$ (B) $\frac{1}{3} \times 6$ (C) one quarter (D) the number of halves in 3
11. How many quarters are there in $3\frac{1}{2}$? [4]
- (A) 4 (B) 6 (C) 12 (D) 14
12. 1653 round to the nearest 100 would be: [4]
- (A) 1600 (B) 1700 (C) 1500 (D) 1650
13. If a $1\frac{1}{2}$ kg of biscuits cost \$6, how much will 500 g of biscuits cost? [4]
- (A) \$2 (B) \$3 (C) \$4 (D) \$5
14. Mike walks 40 metres in 30 seconds. If he walks at the same speed, how far will he walk in one hour? [4]
- (A) 3200 m (B) 2.4 km (C) 32 km (D) 4.8 km
15. Ben has 3 ten-cent coins and 2 fifty-cent coins. How many different amounts of money can he make if he wants to use at least one of each type of coin? [4]
- (A) 5 (B) 6 (C) 10 (D) 11
16. Cathy can make 75 ribbons in 30 minutes. At this rate, find the time taken to make 100 ribbons. [4]
- (A) 25 minutes (B) 40 minutes (C) 50 minutes (D) 80 minutes

17. Which whole number should be written in the box to make a fraction whose value is between 1 and 2? $\frac{7}{\boxed{?}}$ [4]
- (A) 6 (B) 9 (C) 10 (D) 14
18. If a $2\frac{1}{4}$ hours movie starts at 9:50 a.m., it should finish at: [4]
- (A) 12:05 a.m. (B) 11:05 p.m. (C) 12:05 p.m. (D) 1:05 p.m.
19. $12 \times 9 = 3 \times \boxed{?}$. Find the missing number in the box. [4]
- (A) 96 (B) 46 (C) 36 (D) 16
20. I am thinking of an even number between 20 and 30 which is divisible by 3. What is the number? [4]
- (A) 21 (B) 24 (C) 27 (D) 28
21. If 6 kg of jelly beans cost \$24, what would 4 kg of jelly beans cost? [4]
- (A) \$4 (B) \$8 (C) \$12 (D) \$16
22. Find the lowest common multiple of 6, 8 and 12. [4]
- (A) 12 (B) 24 (C) 36 (D) 144
23. What fraction of the square is shaded? [4]



- (A) $\frac{1}{4}$ (B) $\frac{3}{16}$ (C) $\frac{3}{8}$ (D) $\frac{5}{16}$