

Review Class

AM L4-L6

2022
Fall

G3



Lesson 4

- 1 Yuki buys some books for his friends. If he gives each friend 6 books, all the books will be distributed. If he gives each friend 8 books, there will be a shortage of 22 books. Yuki has _____ friends.

- 3 Tony distributes strawberries to his students. If he gives each of his students 5 strawberries, there will be 11 strawberries left. If he gives each of them 7 strawberries, there will be 3 strawberries short. He has _____ students and _____ strawberries.

Lesson 5

1 Categorize the following numbers:

$$\frac{5}{8}, \frac{17}{9}, 2\frac{3}{7}, \frac{5}{12}, \frac{2}{9}, 10\frac{1}{2}, \frac{17}{19}, \frac{23}{14}$$

(1) Proper fraction: _____ .

(2) Improper fraction: _____ .

(3) Mixed number: _____ .

2 Rewrite each improper fraction below as a mixed number.

(1) $\frac{13}{9} =$ _____

(2) $\frac{24}{5} =$ _____

(3) $\frac{77}{13} =$ _____

3 Fill in the blanks.

(1) Write each fraction below in the simplest form.

$$\frac{18}{22} = \underline{\hspace{2cm}}, \quad \frac{6}{30} = \underline{\hspace{2cm}}, \quad \frac{22}{33} = \underline{\hspace{2cm}}, \quad \frac{36}{56} = \underline{\hspace{2cm}}.$$

(2) Rewrite each group of fractions to make them have a common denominator.

$$\frac{1}{2}, \frac{1}{4}$$

$$\frac{2}{3}, \frac{5}{6}$$

$$\frac{1}{2}, \frac{1}{3}$$

Lesson 6

- 1 Crystal plans to solve some math problems in a certain pattern. She plans to solve 4 problems on the first day, 7 problems on the second day, and 10 problems on the third day. Following this pattern, Crystal will solve _____ problems on the tenth day and _____ problems on the eighteenth day.
- 2 In the arithmetic sequence 7, 13, 19, 25, \dots , the thirteenth term is _____ and the sum of the first thirteen terms is _____ .
- 3 Calculate: $1 + 8 + 15 + \dots + 50 + 57 =$ _____ .

Solutions

Lesson 4

1. 11
2. 5 ; 62
3. 7 ; 46

Lesson 5

1. (1) $\frac{5}{8}, \frac{5}{12}, \frac{2}{9}, \frac{17}{19}$
(2) $\frac{17}{9}, \frac{23}{14}$
(3) $2\frac{3}{7}, 10\frac{1}{2}$
2. (1) $1\frac{4}{9}$
(2) $4\frac{4}{5}$
(3) $5\frac{12}{13}$
3. (1) $\frac{9}{11}; \frac{1}{5}; \frac{2}{3}; \frac{9}{14}$
(2) $\frac{2}{4}, \frac{1}{4};$
 $\frac{4}{6}, \frac{5}{6};$
 $\frac{3}{6}, \frac{2}{6}.$

Lesson 6

1. 31 ; 55
2. 79 ; 559
3. 261