Day 1

1 Calculate:

(1) $172 - 73 - 27$

(2) $199 - 43 - 57$

(3) $69 - (29 + 18)$

(4) $136 - (36 + 27)$

(5) $153 - (53 + 49)$

2 Calculate using long multiplication:

(1) $23 \times 3 =$ _____

(2) $41 \times 6 =$ _____

(3) $84 \times 7 =$ _____

3 Calculate using long multiplication:

(1) $152 \times 6 =$ _____

(2) $437 \times 3 =$ _____

(3) $125 \times 8 =$ _____

(4) $17 \times 24 =$ _____ .

(5) $36 \times 48 =$ _____ .

4 Calculate using long division:

(1) $72 \div 6 =$ _____

(2) $48 \div 3 =$ _____

(3) $68 \div 4 =$ _____

5 Calculate using long division:

(1) $520 \div 4 =$ _____

(2) $426 \div 3 =$ _____

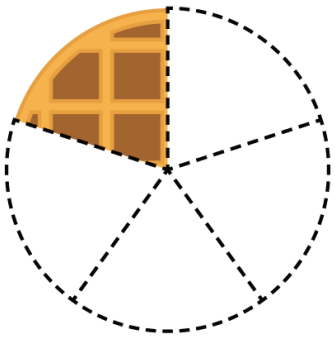
(3) $642 \div 5 =$ _____ R _____

(4) $582 \div 4 =$ _____ R _____

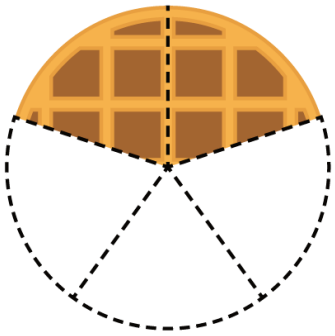
Day 2

1 Justin divides a waffle into 5 equal pieces.

(1) Justin eats 1 piece, which is _____ of the whole waffle.



(2) Justin gives 2 pieces to Vivian, which is _____ of the whole waffle.



2 Compare fractions and fill in the blanks with > or <.

(1) $\frac{1}{4}$ _____ $\frac{3}{4}$

(2) $\frac{1}{7}$ _____ $\frac{1}{8}$

(3) $\frac{2}{13}$ _____ $\frac{5}{13}$

(4) $\frac{3}{9}$ _____ $\frac{3}{7}$

3 Calculate:

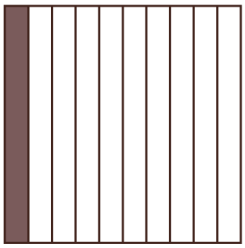
(1) $\frac{5}{12} + \frac{6}{12} =$ _____

(2) $\frac{4}{15} - \frac{2}{15} =$ _____

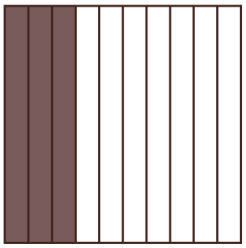
(3) $\frac{8}{9} - \frac{2}{9} =$ _____

(4) $\frac{17}{27} + \frac{10}{27} =$ _____

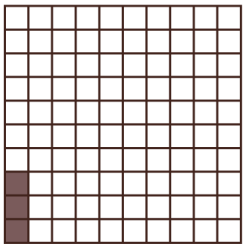
4 Use fractions to represent the shaded parts of each picture below, and then write them as decimals.



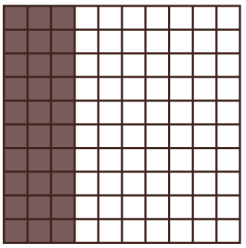
$\frac{\square}{10} = \square$



$\frac{\square}{10} = \square$

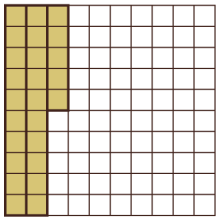
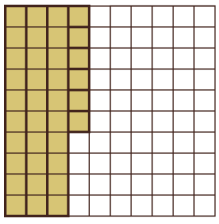


$\frac{\square}{100} = \square$



$\frac{\square}{100} = \square$

5 Write each of the shaded parts as a fraction and a decimal.

Figure	Fraction	Decimal
(1) 		
(2) 		

Day 3

1 Find the patterns and fill in the blanks.

(1) 1, 4, 7, 10, 13, 16, _____ , _____ , 25, ⋯

(2) 50, 47, 44, 41, 38, _____ , 32, _____ , 26, ⋯

2 Find the patterns and fill in the blanks.

(1) 14, 23, 32, 41, _____ , _____ .

(2) 56, 49, 42, 35, _____ .

(3) 2, 10, 17, 23, _____ , 32, 35.

3 Find the patterns and fill in the blanks.

(1) 65, 58, 51, 44, 37, _____ , ⋯

(2) 77, 66, 55, 44, _____ , 22, ⋯

4 Find the patterns and fill in the blanks.

(1) 1, 4, _____ , 64, 256, ⋯

(2) 1, 10, 100, 1000, _____ , ⋯

5 Find the patterns and fill in the blanks.

(1) 3, 6, 12, _____ , 48, 96

(2) 320, 160, 80, 40, _____ , _____ .

Day 4

1 Cindy and her two friends went pear-picking on Saturday. They picked 38, 40, and 18 pears, respectively. Each of them picked _____ pears on average.

2 Eddie and his friends went jogging. Eddie ran 15 km, Jenny ran 10 km, and Jason ran 8 km. How far did they run on average?

3 Lily likes reading very much. She reads an average of 25 pages every day in the first 4 days and an average of 40 pages every day in the next 6 days. She then finishes the book by reading 10 pages on the last day. There are _____ pages in total in the book.

4 Lucy ate 10 nuts every day for the first 5 days. She ate 12 nuts every day for the next 5 days. The average number of nuts she ate every day was _____ .

5 For the first five days of a week, Betty picked 36 watermelons a day. But in the last two days, because of rainy weather, she was able to pick only 15 watermelons each day. Betty picked _____ watermelons a day on average this week.

Day 5

1 Alice is 3 years old this year, and the age of her brother is three times that of Alice. What will be the age difference between Alice and her brother 4 years later?

2 Jessy is 19 years old this year, and the age of her aunt is twice as old as Jessy. What will be the age difference between Jessy and her aunt 13 years later?

3 Eddie is 8 years old, and his father is 42 years old this year. When the sum of their age is 80, Eddie will be _____ years old, and his father will be _____ years old.

4 Selina is 6 years old, and Kevin is 15 years old this year. When the sum of their ages is 29, how old will be Selina and Kevin, respectively?

5 Anna is the sister of Lily. When Lily was born, Anna was 7 years old. This year, the sum of their ages is 47. How old are Anna and Lily this year, respectively?