



Name: \_\_\_\_\_

Date: \_\_\_\_\_

## P4 Problem Sum Worksheet

### Topic : Fractions

#### Topic 1: Addition and subtraction – Question 1

Samantha had  $\frac{1}{2}$  kg of berries at first.  $\frac{1}{5}$  kg of the berries were rotten. She needed 2 kg of berries to bake a cake. How many more kilograms of berries did Samantha need to buy?

#### Topic 1: Addition and subtraction – Question 2

In a music class,  $\frac{1}{3}$  of the children like Chinese songs and  $\frac{1}{9}$  of the children like English songs. The remaining 15 children like Korean songs.

a) What fraction of the children like Korean songs?  
b) How many children like English songs?

**Topic 1: Addition and subtraction – Question 3**

Mrs Molly bought 2 ℓ of cooking oil. On Sunday, she used  $\frac{1}{12}$  ℓ of cooking oil. On Monday, she used  $\frac{1}{2}$  ℓ of cooking oil more than on Sunday.

- (a) How much cooking oil did she use on both days altogether?
- (b) How much cooking oil did she have left?

**Topic 1: Addition and subtraction – Question 4**

During a class party,  $\frac{1}{2}$  of the pupils in the class were given a red balloon,  $\frac{1}{5}$  of the pupils in class were given a blue balloon. The rest of the pupils were given a yellow balloon. What fraction of the class received a yellow balloon?

**Topic 2: Convert numerator and denominator to units – Question 1**

Neil spent \$1068. Anggun spent  $\frac{1}{4}$  of the amount spent by Neil. How much did both Neil and Anggun spend in all?

**Topic 2: Convert numerator and denominator to units – Question 2**

There were some children and adults at the park.  $\frac{5}{12}$  of them were children.

There were 72 more adults than children.

- a) How many adults were there? .
- b) In the afternoon, some children went home. The number of adults left at the park was 4 times the number of children. How many children were left at the park?

**Topic 2: Convert numerator and denominator to units – Question 3**

$\frac{2}{9}$  of the buns in a bakery are chocolate buns. The remaining buns are strawberry buns and vanilla buns. Given that there are 753 strawberry buns and 689 vanilla buns, how many buns are there in the bakery?

**Topic 3: Fraction of the same object – Question 1**

Mrs Rani baked some muffins. She sold  $\frac{3}{8}$  of the muffins in the morning and  $\frac{1}{4}$  of them in the afternoon. She had 15 muffins left.

- a) What fraction of the muffins had she left?
- b) How many muffins did she bake in total?

**Topic 3: Fraction of the same object – Question 2**

Charlotte has some animals in her farm.  $\frac{1}{3}$  of her animals are ducks.  $\frac{1}{6}$  of them are sheep and  $\frac{2}{9}$  of them are goats. The remaining 165 animals are cows.

How many animals does Charlotte have in her farm?

**Topic 3: Fraction of the same object – Question 3**

Siti used  $\frac{1}{4}$  of a roll of ribbon to tie a present.

She then used  $\frac{1}{6}$  of the ribbon to decorate her scrapbook and another  $\frac{1}{4}$  of the ribbon to tie her hair.

- (a) What fraction of the roll of ribbon had she left?  
Express the fraction in its simplest form.
- (b) Siti had 52 cm of the ribbon left.  
What was the length of the ribbon she had at first?

**Topic 4: Simple unit -Question 1**

Jennie mixed 320 ml of syrup and four times as much water to make orange drink.

a) How much orange drink did she make?

b) Jennie drank  $\frac{1}{5}$  of her orange drink. How much orange drink did she drink?