



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

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

## **P4 Problem Sum Worksheet**

### **Topic : Numbers**

#### **Topic 1: 4 operations – Question 1**

A shopkeeper had 120 boxes of apples. Each box contained 25 apples. He sold 1856 apples and packed the rest into bags of 8. How many bags of apples would he have?

#### **Topic 1: 4 operations – Question 2**

Miss Tan had \$309. She wanted to buy a T-shirt for each of her 42 pupils. Each T-shirt cost \$19. How much more money did she need?

**Topic 1: 4 operations – Question 3**

Amanda bought 9 boxes of pencils. Each box contained an equal number of pencils. She gave 12 pencils to each of her 40 pupils and had 6 pencils left. How many pencils were there in each box?

**Topic 1: 4 operations – Question 4**

Mary had 1984 erasers. She donated 256 erasers and packed the rest of the erasers equally into boxes of 8. She sold all the boxes at \$5 each. How much money did Mary receive?

**Topic 1: 4 operations – Question 5**

A belt costs \$78.

A skirt costs \$45 more than the belt.

How much does 8 such skirts cost?

**Topic 1: 4 operations – Question 6**

Timothy has 49 boxes of stickers.

There are 35 stickers in each box.

He repacks all the stickers into packets of 8 stickers each.

- (a) How many packets, each containing 8 stickers, can Timothy get?
- (b) How many stickers are left unpacked?

**Topic 1: 4 operations – Question 7**

Mr Chua spent \$287 on a buffet dinner for his family at a restaurant. The price for an adult was \$75. He took his wife, his mother and 2 young children to the restaurant.

- (a) How much did he pay for the adults?
- (b) What was the cost for 1 child ?

**Topic 1: 4 operations – Question 8**

Alice had an equal amount of apple juice and orange juice at first. She drank 400 ml of apple juice.

In the end, she had 3 times as much orange juice as apple juice.

How much apple juice did she have at first?

Express your answer in millilitres. [3 marks]

**Topic 1: 4 operations – Question 9**

Mr Oman mixed 18.56 litres of water with 5.62 litres of maple syrup.  
He then poured the mixture equally into 6 jugs.  
How many litres of mixture were there in each jug?

**Topic 2: Cut different models into same unit size plus a number – Question 1**

Mr Teh spent \$5184 on a sofa, a bed and a computer. The sofa cost \$909 more than the computer. The computer cost \$765 more than the bed. What was the cost of the bed?

**Topic 2: Cut different models into same unit size plus a number – Question 2**

The cost of 5 pillows and 4 bedsheets is \$725. A pillow costs \$28 more than a bedsheet. How much does each bedsheets cost?

**Topic 2: Cut different models into same unit size plus a number – Question 3**

Jennifer bought 5 identical skirts and 2 identical dresses for \$223. Each dress cost \$24 more than a skirt. Find the cost of 1 skirt.

**Topic 2: Cut different models into same unit size plus a number – Question 4**

Alexi, Bala and Clement have a total of 1416 stamps. Bala has 70 more stamps than Alexi. Clement has 2 times the total number of stamps Alexi and Bala have. How many stamps does Alexi have?

**Topic 2: Cut different models into same unit size plus a number – Question 5**

Charlie, David and Elvin collected country erasers. Charlie had twice as many country erasers as David. David had 12 more country erasers than Elvin. Given that they had a total of 204 country erasers, how many country erasers did Charlie have?

**Topic 2: Cut different models into same unit size plus a number – Question 6**

Paul, Zach and Quentin saved \$1016 in total. Zach saved \$85.  
Quentin saved 3 times as much as the total saved by Paul and Zach.  
How much did Paul save?

**Topic 2: Cut different models into same unit size plus a number – Question 7**

A fruiterer had 1 332 fruits.  
There were 60 fewer oranges than apples.  
There were 24 more bananas than oranges.  
How many oranges were there?



**Topic 2: Cut different models into same unit size plus a number – Question 8**

A box and 5 packets of rice <sup>have</sup> ~~has~~ a mass of 103.7 kg. The mass of the box is 14.8 kg less than the mass of one packet of rice.

- (a) What is the mass of one packet of rice?
- (b) What is the mass of the box?

**Topic 2: Cut different models into same unit size plus a number – Question 9**

Gregory has 6 boxes and 3 bags of soccer balls. He has a total of 261 soccer balls. Each bag contains 18 more soccer balls than each box. How many soccer balls are there in each bag?

**Topic 3: Excess and shortage – Question 1**

Paul had some money. He bought 8 similar t-shirts and had \$44 left. If he bought 5 similar t-shirts instead, he would have \$92 left. How much did 7 similar t-shirts cost?

**Topic 4: Find 2 numbers given the total and difference – Question 1**

2952 stickers were shared equally among a group of children. Each child received 8 stickers. There were 91 more boys than girls. How many girls received the stickers?

**Topic 4: Find 2 numbers given the total and difference – Question 2**

Jerry has 1045 marbles and Kenneth has 799 marbles. How many marbles must Jerry give Kenneth so that Jerry will have 106 marbles more than Kenneth?

**Topic 4: Find 2 numbers given the total and difference – Question 3**

A fruit seller sold an equal number of apples and pineapples. Each apple costs \$2 while each pineapple costs \$5. The fruit seller collected a total of \$756. How many pineapples were sold?

**Topic 5: 2 Variable Combo Qn – Question 1**

The total mass of 7 identical bags of rice and 4 identical cartons of milk is 15 kg.  
The total mass of 2 such bags of rice and 2 such cartons of milk is 4.8 kg. What is the mass of a bag of rice?

**Topic 6: Guess 2 objects given the total – Question 1**

Aminah bought two different items from a bookshop. She gave 4 five-dollar notes and 3 fifty-cent coins to the cashier. She received a change of \$0.15. Which two items did she buy?

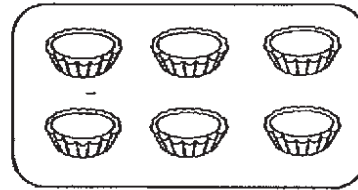
Item	Price
Crayons	\$8.90
Pencil case	\$9.95
Textbook	\$11.50
T-shirt	\$12.45

**Topic 7: Maximum items purchased with a fixed total – Question 1**

At a bakery, chocolate muffins are sold in packets of 4 and egg tarts are sold in boxes of 6.



chocolate muffins  
4 for \$10.90



egg tarts  
6 for \$8.90

- a) Mrs Ong only has \$20. What is the most number of egg tarts she can buy?
- b) Mr Bala needs 246 chocolate muffins for a party. What is the least number of packets of muffins he must buy?

**Topic 8: Simple unit comparison – Question 1**

Pupils from Peace School visited the zoo.

The number of boys was 5 times the number of girls.

There were 372 more boys than girls.

How many children visited the zoo altogether?

**Topic 8: Simple unit comparison – Question 2**

Meg has 3 times as much money as Nancy. Nancy has twice as much money as Pam. Pam has \$40.25 less than Meg

- (a) How much money does Pam have?
- (b) How much money do the 3 girls have altogether?

**Topic 8: Simple unit comparison – Question 3**

Mr Tan bought a rice cooker, a refrigerator and an oven for \$2511 altogether.  
The refrigerator cost 3 times as much as the oven.  
The oven cost 2 times as much as the rice cooker.

- (a) What was the cost of the rice cooker?
- (b) What was the cost of the refrigerator?

**Topic 9: 2 Variable combo Qn – Question 1**