

**Practice 4**   **Division with Remainder**

1 Find the quotient and remainder.

(a)  $92 \div 7 = \boxed{\phantom{00}} \text{ R } \boxed{\phantom{00}}$

	T	O
7	9	2

(b)  $83 \div 3 = \boxed{\phantom{00}} \text{ R } \boxed{\phantom{00}}$

	T	O
3	8	3

(c)  $772 \div 3 = \boxed{\phantom{00}} \text{ R } \boxed{\phantom{00}}$

	H	T	O
3	7	7	2

(d)  $835 \div 7 = \boxed{\phantom{00}} \text{ R } \boxed{\phantom{00}}$

	H	T	O
7	8	3	5

2 Which cards show a division with a remainder of 2 or more?  
What are the snacks shown on such cards?

(a)

$$\begin{array}{r} \text{T} \quad \text{O} \\ 3 \overline{) 52} \end{array}$$



pizza

(b)

$$\begin{array}{r} \text{T} \quad \text{O} \\ 3 \overline{) 80} \end{array}$$



cupcake

(c)

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ 6 \overline{) 111} \end{array}$$



soft drink

(d)

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ 7 \overline{) 862} \end{array}$$



ice cream

(e)

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ 6 \overline{) 655} \end{array}$$



drumstick

(f)

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ 3 \overline{) 863} \end{array}$$



burger

The snacks are a , a  and a .

**Practice 5A** **Word Problems**

Solve the word problems.

- 1 There are 15 erasers in a box.  
How many erasers are there in 9 such boxes?

$$\boxed{\phantom{00}} \times \boxed{\phantom{00}} = \boxed{\phantom{000}}$$

There are  erasers in 9 such boxes.

- 2 Lucy has 6 baskets of apples.  
Each basket has 25 apples.  
How many apples does Lucy have?

$$\boxed{\phantom{00}} \times \boxed{\phantom{00}} = \boxed{\phantom{000}}$$

Lucy has  apples.

- 3** There are 82 muffins.  
Janice packs 6 muffins into each box.  
What is the smallest number of boxes she will need to pack all the muffins?

$$\boxed{\phantom{00}} \div \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

The smallest number of boxes she will need to pack all the muffins is  $\boxed{\phantom{00}}$ .

- 4** Mrs Krishnan has 70 eggs.  
She needs 4 eggs to bake each cake.  
**(a)** What is the greatest number of cakes she can bake?

$$\boxed{\phantom{00}} \div \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

The greatest number of cakes she can bake is  $\boxed{\phantom{00}}$ .

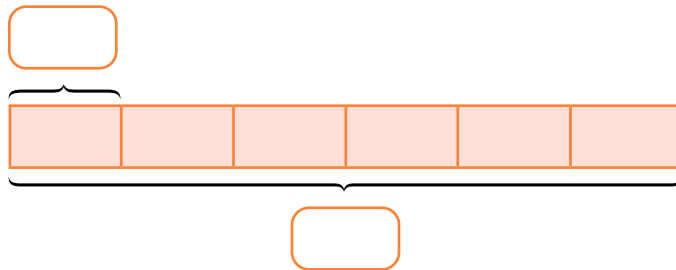
- (b)** How many more eggs will she need if she wants to bake another cake with the remaining eggs?

$$\boxed{\phantom{00}} \div \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

She will need  $\boxed{\phantom{00}}$  more eggs if she wants to bake another cake with the remaining eggs.

- 5 Mrs Lee bakes 6 trays of cookies.  
There are 16 cookies on each tray.

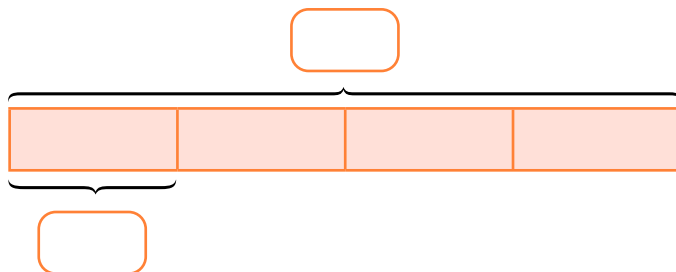
(a) How many cookies does Mrs Lee bake altogether?



$$\boxed{\phantom{00}} \times \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

Mrs Lee bakes  $\boxed{\phantom{00}}$  cookies altogether.

- (b) Mrs Lee places all the cookies in 4 boxes.  
How many cookies are there in each box?

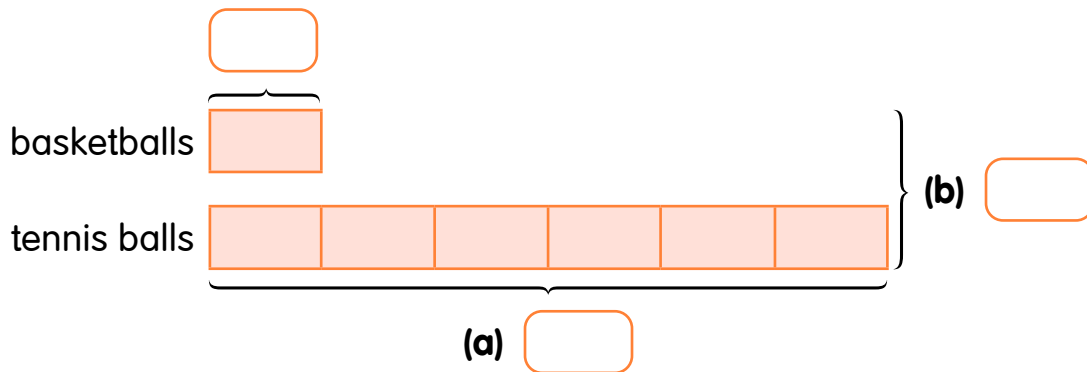


$$\boxed{\phantom{00}} \div \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

There are  $\boxed{\phantom{00}}$  cookies in each box.

- 6 In a school gymnasium, there are 25 basketballs and 6 times as many tennis balls.

(a) How many tennis balls are there?



$$\boxed{\phantom{00}} \times \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

There are  tennis balls.

(b) How many tennis balls and basketballs are there altogether?

$$\boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

There are  tennis balls and basketballs altogether.

**Practice 5B** More Word Problems

- 1 At a bicycle shop, a pump costs \$34.  
A helmet costs \$29 more than the pump.  
A bicycle costs 7 times as much as the helmet.  
How much does a bicycle cost?



- 2 Siti and Ravi are picking apples in an orchard.  
Siti picks 238 apples.  
Ravi picks 376 apples.  
They pack their apples into boxes of 8.  
How many apples are left over?

3 Mr Chen had 180 doughnuts.  
He packed 60 doughnuts equally into some small boxes.  
Then he packed the remaining doughnuts into big boxes.  
He packed 8 doughnuts into each big box.  
How many big boxes did he use to pack his doughnuts?

4 A total of 5 ferries are needed to take a number of passengers to Batam.  
Each ferry can carry up to 167 passengers.  
The first 4 ferries are full and the last ferry carries 156 passengers.  
How many passengers are there altogether?

- 5 Mrs Ling had 122 sandwiches at first.  
She sold 3 times as many sandwiches in the morning as  
in the afternoon.  
She had 2 sandwiches left.  
How many sandwiches did she sell in the afternoon?

- 6 On Monday, a factory produced 465 shirts.  
On Tuesday, it produced 3 times as many shirts as  
it did on Monday.  
How many shirts did the factory produce on the  
two days altogether?

Name: Class: Date: **Problem Solving**

A coffee table cost \$120 more than a chair.

Ali bought 1 coffee table and 5 such chairs for \$258.

How much did each chair cost?

$$\text{\$ } \boxed{\phantom{00}} \text{ } \ominus \text{ } \text{\$ } \boxed{\phantom{00}} = \text{\$ } \boxed{\phantom{00}}$$

$$\text{\$ } \boxed{\phantom{00}} \text{ } \ominus \text{ } \boxed{\phantom{00}} = \text{\$ } \boxed{\phantom{00}}$$

Each chair cost \$  .

Siti multiplies the numbers as follows:

$$\begin{array}{r} \phantom{\times} \phantom{0} \overset{4}{3} \phantom{0} 6 \\ \times \phantom{0} \phantom{0} \phantom{0} 7 \\ \hline 4 \phantom{0} 9 \phantom{0} 2 \\ \hline \end{array}$$

$$\begin{array}{r} \phantom{\times} \phantom{0} \overset{1}{2} \phantom{0} 7 \\ \times \phantom{0} \phantom{0} \phantom{0} 2 \\ \hline 6 \phantom{0} 4 \\ \hline \end{array}$$

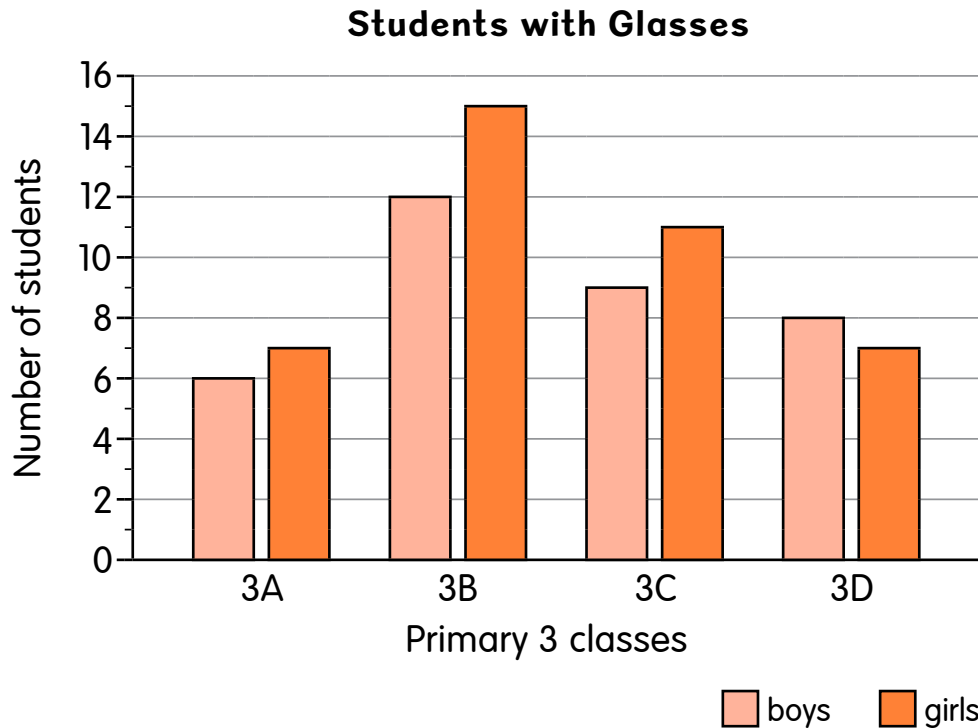
$$\begin{array}{r} \phantom{\times} \phantom{0} \overset{2}{4} \phantom{0} 8 \\ \times \phantom{0} \phantom{0} \phantom{0} 3 \\ \hline 1 \phantom{0} 8 \phantom{0} 4 \\ \hline \end{array}$$

Has Siti multiplied the numbers correctly?

Explain and show how Siti should have done the multiplications.

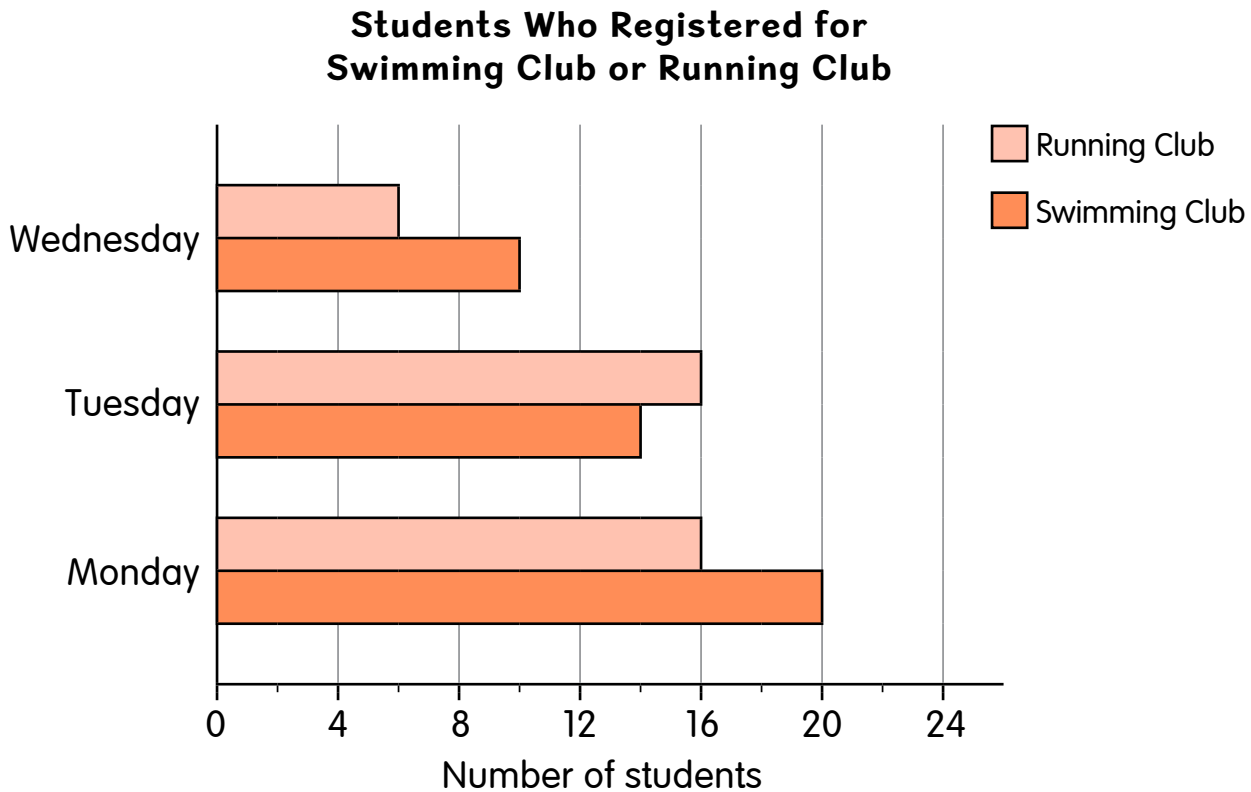
**Practice 3 Clustered Bar Graphs**

- 1 The bar graph shows the number of students with glasses.



- (a) In Class 3C,  boys and  girls wear glasses.
- (b) Class  has more boys than girls who wear glasses.
- (c) Class  has the fewest number of students who wear glasses.
- (d) Class 3B has  more girls than boys wearing glasses.
- (e) Class 3C has  fewer boys than girls wearing glasses.

- 2 The bar graph shows the number of Primary 3 students who registered to join the Swimming Club or the Running Club as their CCA over 3 days.



- (a) On which day was the total number of registration for the CCAs the greatest?
- (b) How many students in total registered for the Running Club?
- (c) How many more students registered for the Swimming Club than the Running Club on Wednesday?
- (d) How many fewer students registered for the Swimming Club than the Running Club on Tuesday?

Name:

Class:

Date:

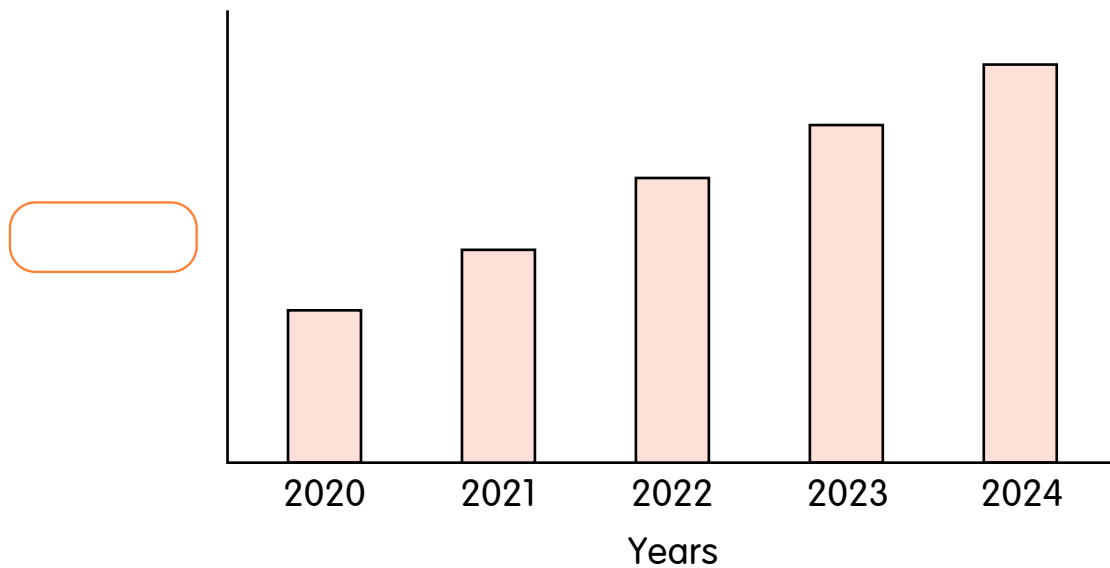
## Performance Task

Mr Tan wanted to know the types of books his students liked to read. He found that out of 50 students, 25 students liked to read mystery books. Only 5 students liked non-fiction books. There were twice as many students who liked fairy tales as non-fiction books. The rest of the students liked comic books.

**IT Activity:** Use a spreadsheet program to make a bar graph based on the information given above.

Print out your bar graph and paste it below.

Look at the bar graph below.



**(a)** Suggest an example of a possible situation where you will see such a bar graph.

**(b)** Fill in the box in the graph above.

**(c)** Give a suitable title for the graph.