POWER MATHS

White Rose Maths

White Rose Maths Edition

Year 3 Practice Book 3A

Pearson

Series Editor: Tony Staneff

Year 3 Practice Book 3A

White Rose Maths Edition

What do you look like?

Draw yourself doing your favourite activity.

This book belongs to _____ .

My class is _____ .

Series editor: Tony Staneff
Lead author: Josh Lury
Consultants (first edition): Professor Liu Jian and Professor Zhang Dan
Written by Tony Staneff and Josh Lury

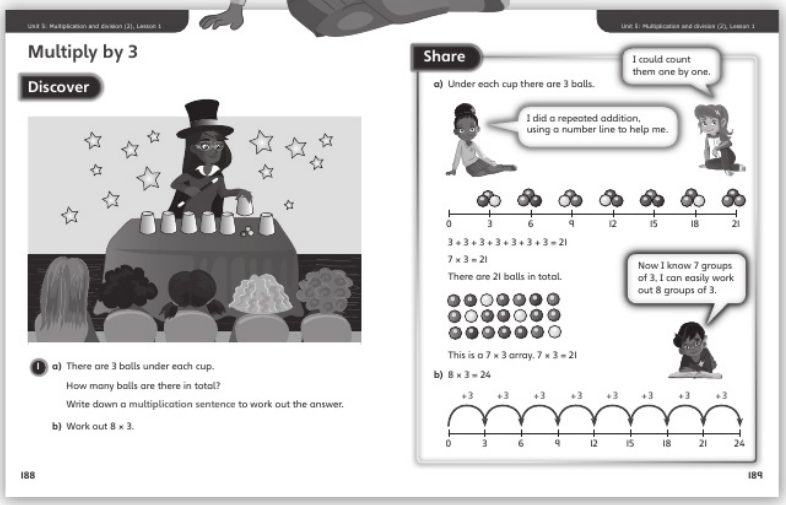
Pearson

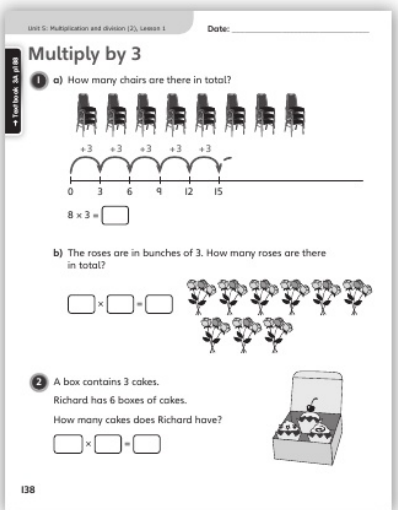
Contents

How to use this book

Do you remember how to use this **Practice Book**?

Use the **Textbook** first to learn how to solve this type of problem.





This shows you which Textbook page to use.

Have a go at questions by yourself using this **Practice Book**. Use what you have learnt.

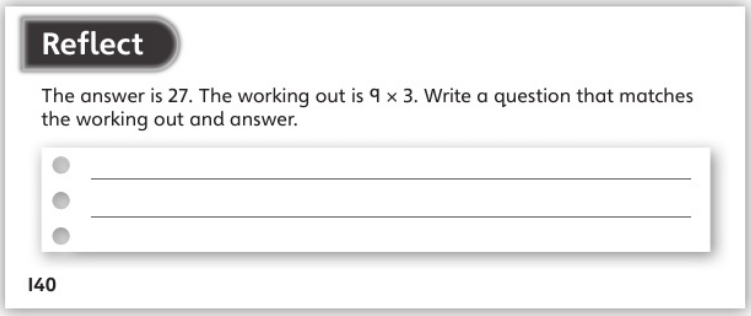
Challenge questions make you think hard!

Questions with this light bulb make you think differently.

Reflect

Each lesson ends with a **Reflect** question so you can think about what you have learnt.

Use **My power points** at the back of this book to keep track of what you've learnt.



Reflect

The answer is 27. The working out is 9 × 3. Write a question that matches the working out and answer.

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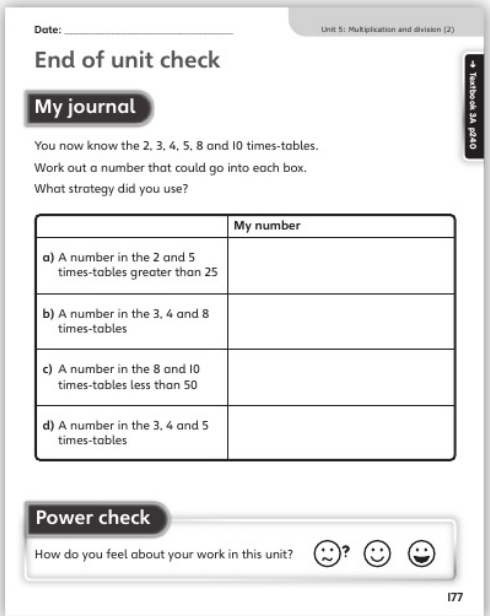
My journal

At the end of a unit your teacher will ask you to fill in **My journal**.

This will help you show how much you can do now that you have finished the unit.



Date: _____

Unit 5: Multiplication and division (2)

End of unit check

→ Textbook 3A p240

My journal

You now know the 2, 3, 4, 5, 8 and 10 times-tables.

Work out a number that could go into each box.

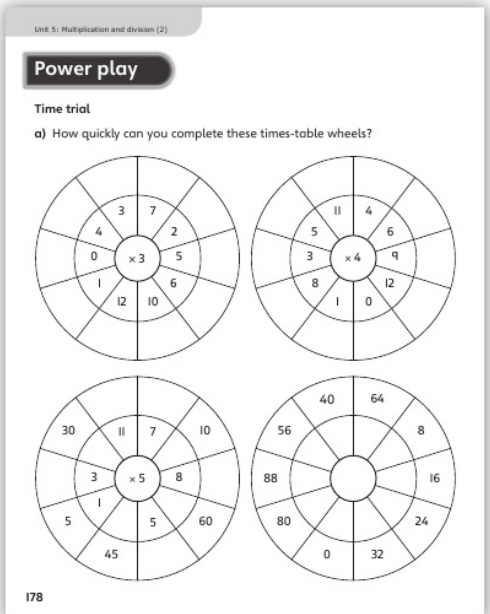
What strategy did you use?

	My number
a) A number in the 2 and 5 times-tables greater than 25	
b) A number in the 3, 4 and 8 times-tables	
c) A number in the 8 and 10 times-tables less than 50	
d) A number in the 3, 4 and 5 times-tables	

Power check

How do you feel about your work in this unit?

177



Unit 5: Multiplication and division (2)

Power play

Time trial

a) How quickly can you complete these times-table wheels?

178

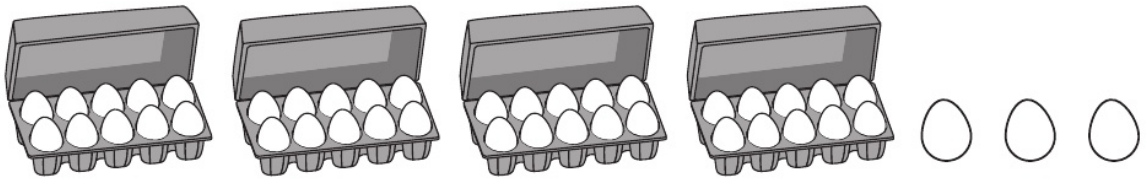
Date: _____

→ Textbook 3A p8

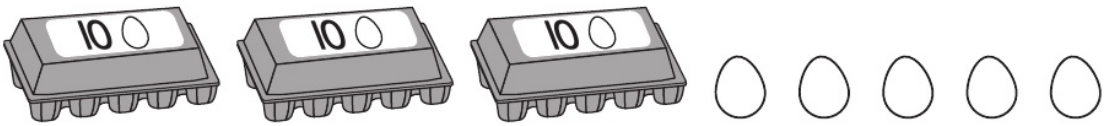
Represent and partition numbers to 100

1 How many eggs are there?

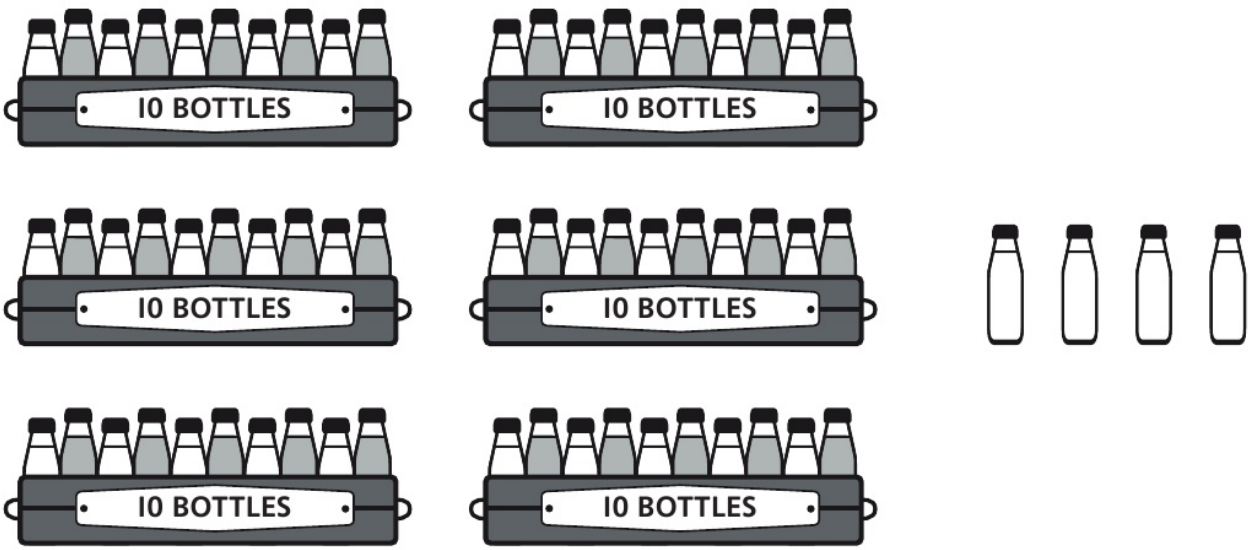
a)



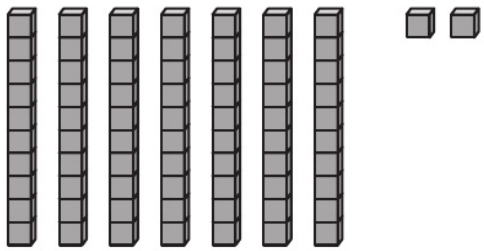
b)

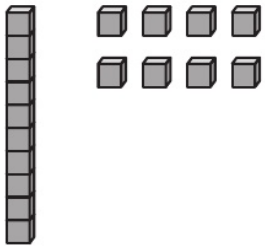


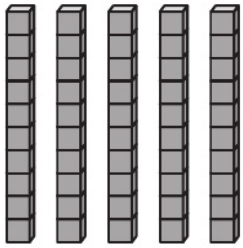
2 How many milk bottles are there?



3 What numbers are represented with the base 10 equipment?

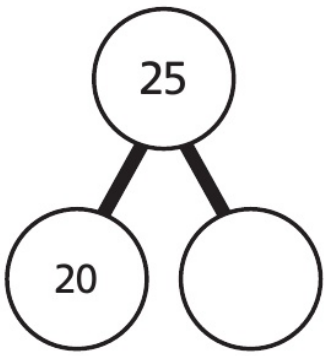
a)  ☐

b)  ☐

c)  ☐

4 Complete the part-whole models.

a)



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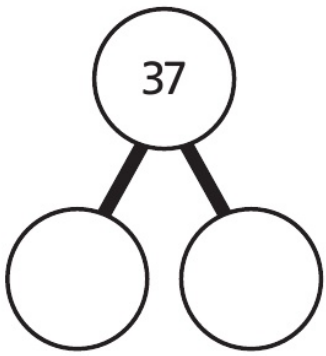
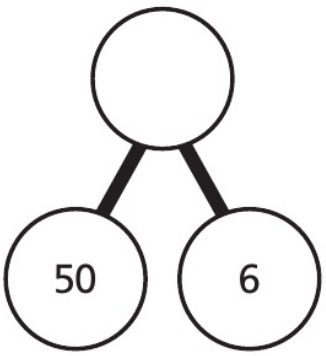


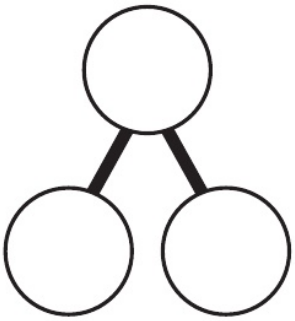
c)



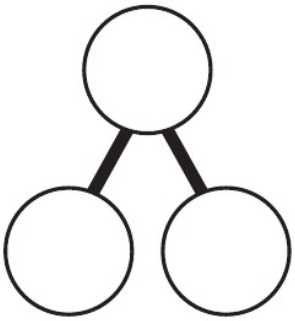
5 Make these numbers with base 10 equipment.

Use the base 10 equipment to complete the part-whole models.

a) 16



b) 45



6 Here are three numbers.

Make each number with base 10 equipment.

24 54 84

CHALLENGE

What is the same about each number?

What is different about each number?

Discuss with a partner.

Reflect

Make a 2-digit number with base 10 equipment.

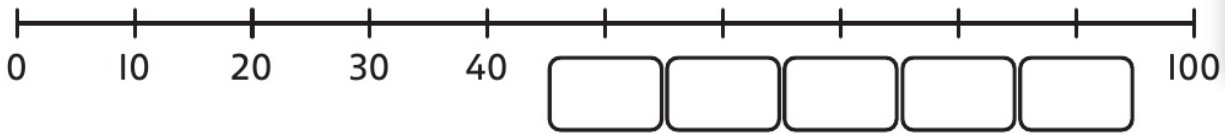
Draw a part-whole model for your number.

→ Textbook 3A p12

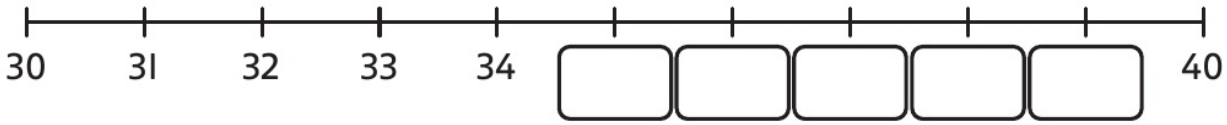
Number line to 100

1 Complete the number lines.

a)

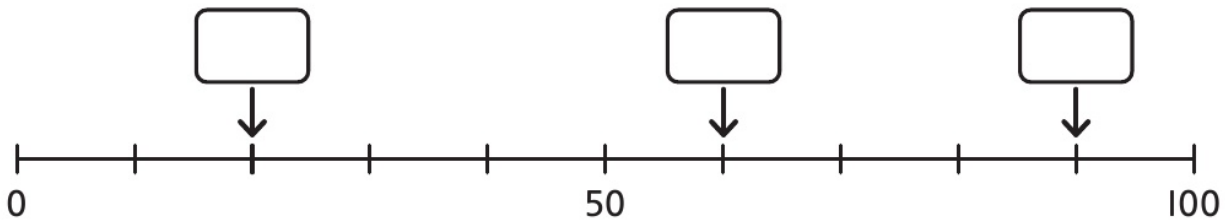


b)

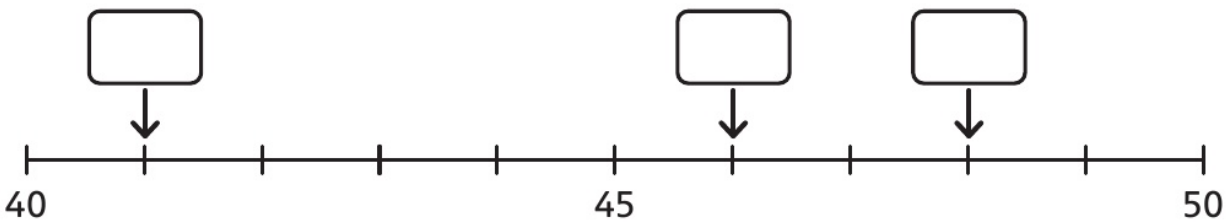


2 What numbers are the arrows pointing to?

a)

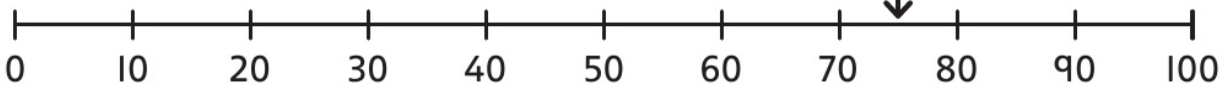


b)



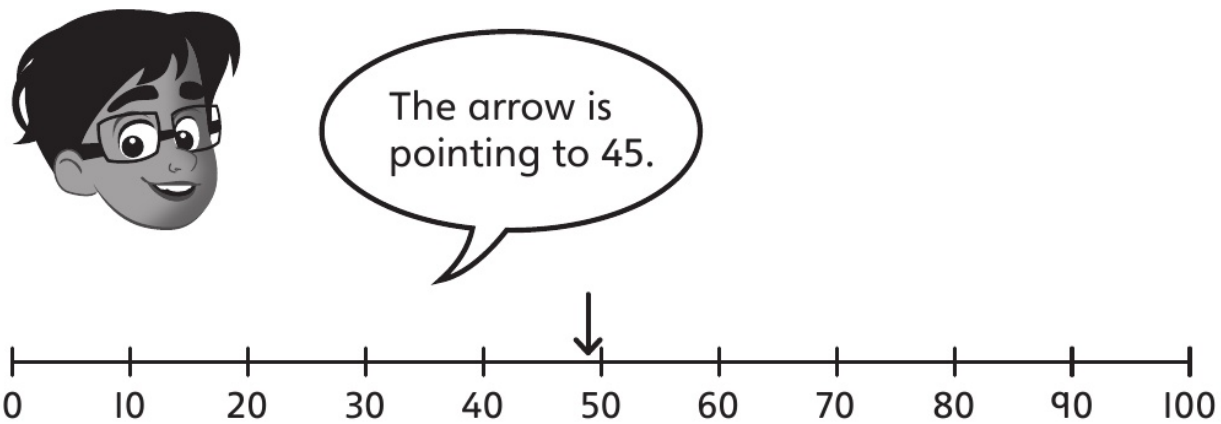
3 What numbers are the arrows pointing to?

a)



b)

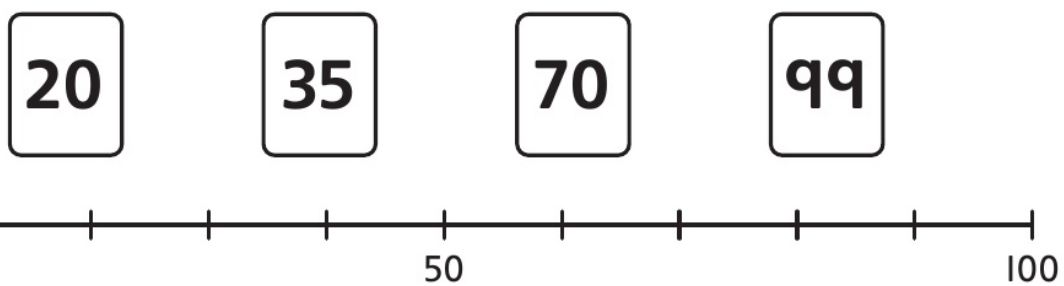
4



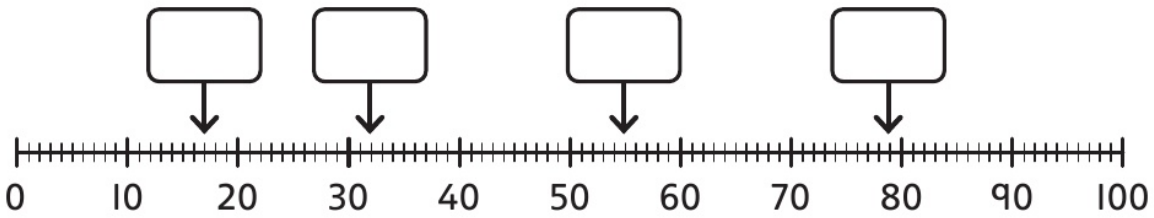
Do you think Max is correct?

Write the number that the arrow is pointing to. ☐

5 Draw an arrow from each number to its position on the number line.

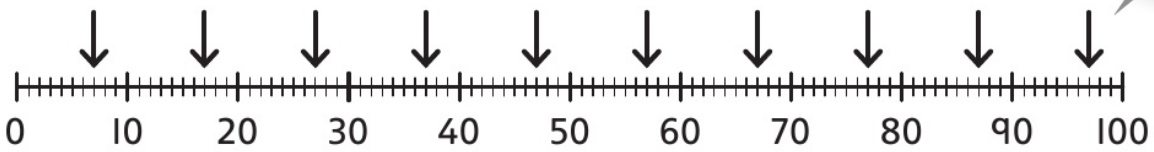


6 What numbers are the arrows pointing to?



CHALLENGE

7 What is the same about all the numbers the arrows are pointing to?



Reflect

Draw a number line that goes up in 10s.

What numbers is it easy to draw arrows to?

What numbers is it harder to draw arrows to?

Date: _____

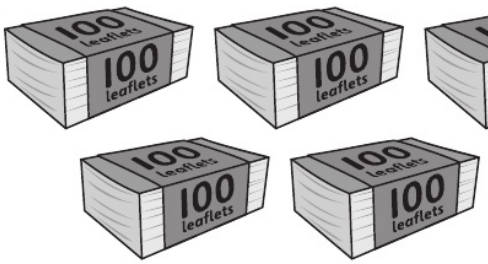
→ Textbook 3A p16

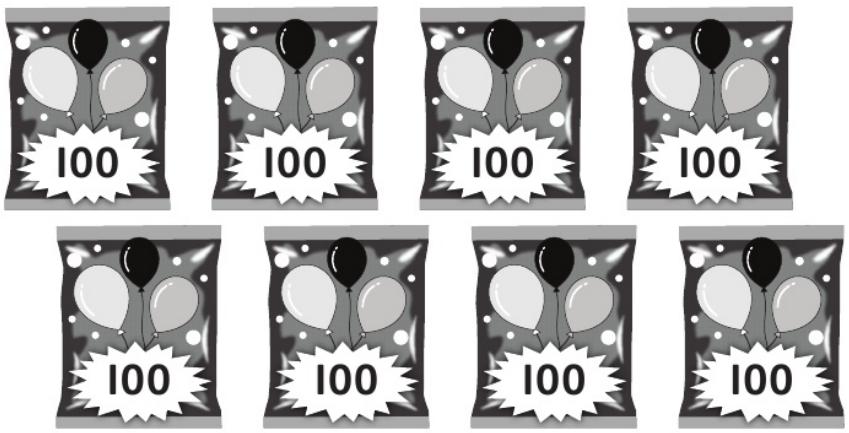
100s

1 How many leaflets are in each picture?

a) 

b) 

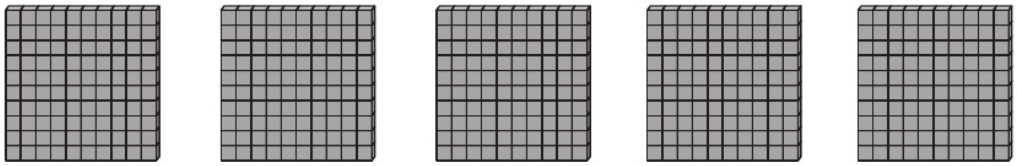
c) 

2 

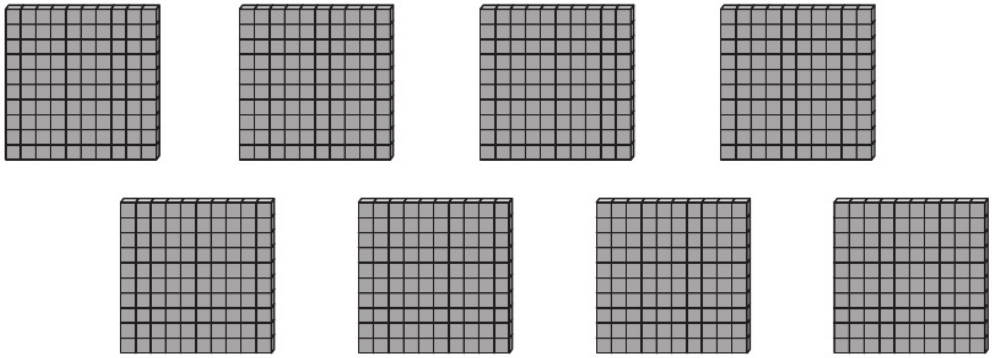
How many balloons are there?

3 What numbers are shown?

Write your answers in numerals and words.

a) 

☐ _____

b) 

☐ _____

4 What are the missing numbers?

a)

0	100	200	300			600

b)

1,000			700	600

c) 400, 300, ☐, ☐, ☐

d) ☐, ☐, 800, 900, ☐

5 A box contains 100 party poppers.

Jamila has 700 party poppers.

Draw how many boxes Jamila has.

6 Andy is counting in 100s.

CHALLENGE

What number should Andy say next?

_____

Reflect

Count out loud from 200 to 1,000 in 100s.

Count out loud from 700 to 0 in 100s.

Did you say any numbers twice? Which ones? _____

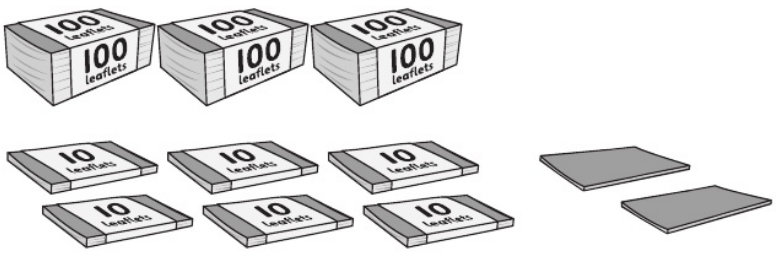
Represent numbers to 1,000

→ Textbook 3A p20

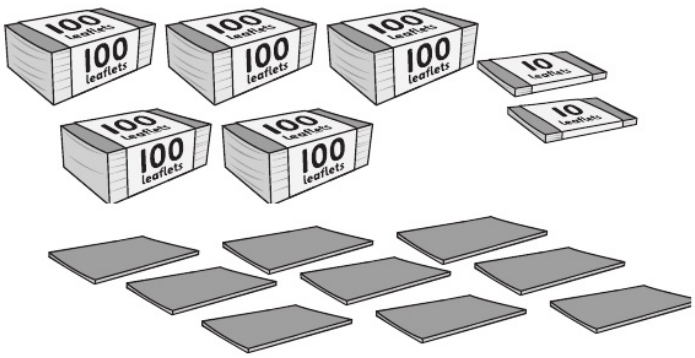
1 How many sunflower seeds are there?

2 How many leaflets are there?

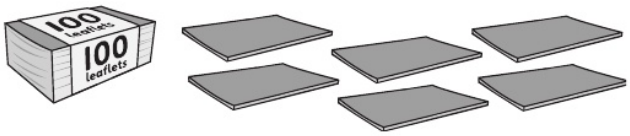
a)



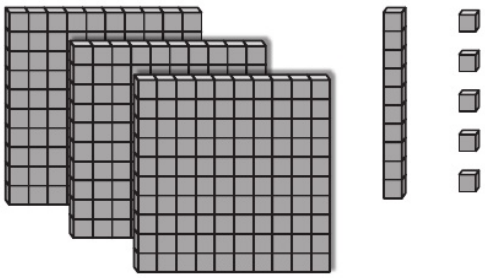
b)

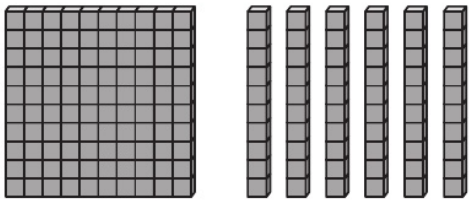


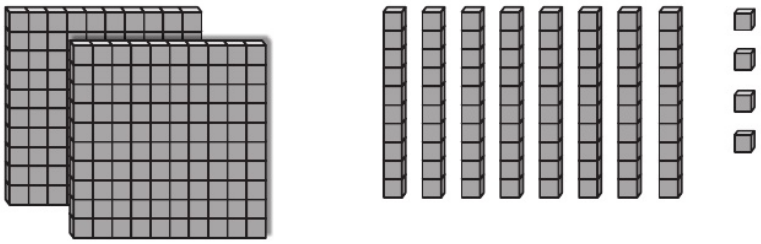
c)

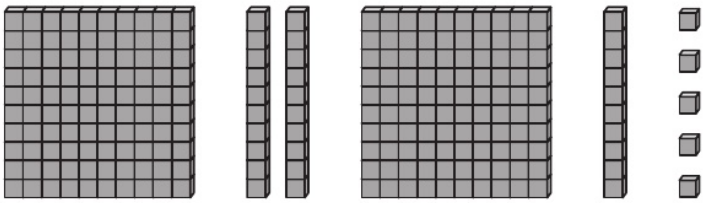


3 Write the numbers shown here.

a) 

b) 

c) 

d) 

4 Make the number 263 with base 10 equipment.

a) How many 100s in 263?

b) How many 10s in 263?

c) How many 1s in 263?