

FOR THE STUDENT

Comprehensive Assessment of Mathematics Strategies (CAMS Series) is a maths program that gives you practice with 12 maths strategies.

In *Comprehensive Assessment of Mathematics Strategies, Book 2*, you will complete 10 maths lessons. Each lesson has a maths theme and 12 questions about the theme. Each question provides you with practice of a particular maths strategy. After you have finished the first 5 lessons, you will complete a self-assessment. The self-assessment will help you determine how well you are doing and what goals you need to set to improve your maths skills. After you finish the last 5 lessons, you will complete another self-assessment. This self-assessment will help you determine how well you met your goals. *Comprehensive Assessment of Mathematics Strategies, Book 2* can help you become a better problem-solver. You will come to understand the important information you must look for as you prepare to solve any and all problems.

This *Comprehensive Assessment of Mathematics Strategies* book was prepared for students by Robert G. Forest.

Designed by Christine Gilbert

Illustrations by Susan Hawk (pages 2, 5, 8, 11, 14, 17, 19, 20, 23, 26, 29, 31)

LESSON 1

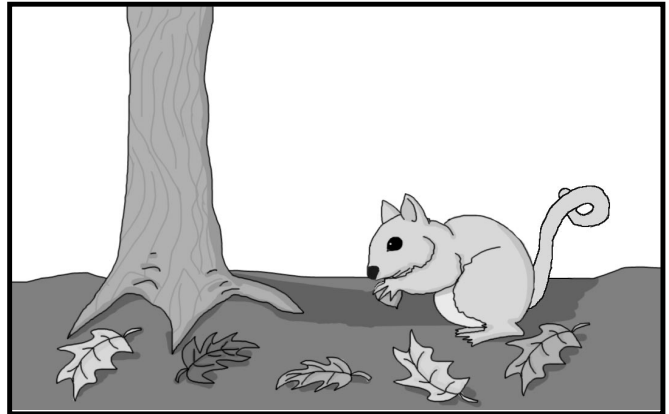
The tale of Peter Possum

Peter is a grey possum.

He lives in gum tree in Melbourne.

Peter's cousin Polly is also a grey possum. She lives in Sydney.

Now do numbers 1 to 12.



1. Peter Possum lives at 157 Gum St.
What number comes just before 157?

- Ⓐ 158
- Ⓑ 159
- Ⓒ 156
- Ⓓ 147

3. Today, Peter ate 3 leaves in the morning.
He ate 4 more leaves at night.
How many leaves did Peter eat today?

- Ⓐ 1
- Ⓑ 5
- Ⓒ 7
- Ⓓ 9

2. Peter found 88 gum leaves.
Which number is closest to 88?

- Ⓐ 80
- Ⓑ 90
- Ⓒ 70
- Ⓓ 60

4. Cousin Polly wrote 5 letters to Peter in June and July. In June, she wrote 3 letters.
How many letters did she write in July?

- Ⓐ 2 letters
- Ⓑ 3 letters
- Ⓒ 1 letter
- Ⓓ 4 letters

TEACHER ASSESSMENT 1

Complete this page after the student has finished lessons 1–10.

Student's name: _____ Date: _____

Teacher's name: _____

Assessing the strategies

Students answer a question about each strategy once in each lesson, or a total of ten times. Use the student's completed answer form to fill in the chart below. First, record the total number of correct responses for each strategy. Then record the percentage of correct responses for each strategy.

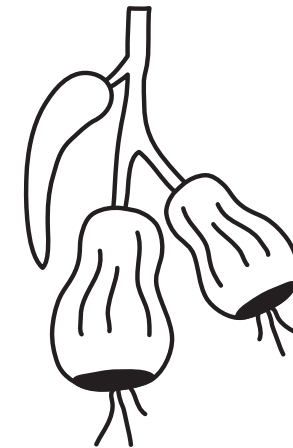
Strategy		Number of correct responses	Percentage correct
Number			
Number sense	(NS)	____ out of 10	= ____ %
Estimation	(ES)	____ out of 10	= ____ %
Addition	(AD)	____ out of 10	= ____ %
Subtraction	(SU)	____ out of 10	= ____ %
Multiplication	(MU)	____ out of 10	= ____ %
Division	(DI)	____ out of 10	= ____ %
Algebra	(AL)	____ out of 10	= ____ %
Measurement			
Time and money	(TM)	____ out of 10	= ____ %
Working with measurements	(WM)	____ out of 10	= ____ %
Space			
Shape	(SH)	____ out of 10	= ____ %
Chance and data			
Probability and averages	(PA)	____ out of 10	= ____ %
Interpreting data	(ID)	____ out of 10	= ____ %

5. Peter has 2 friends.

He gave each friend 3 gum leaves.

How many leaves did he give away?

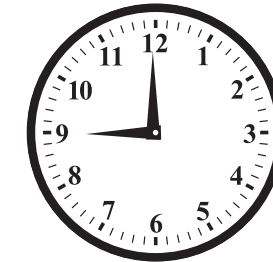
- Ⓐ 8 leaves
- Ⓑ 4 leaves
- Ⓒ 5 leaves
- Ⓓ 6 leaves



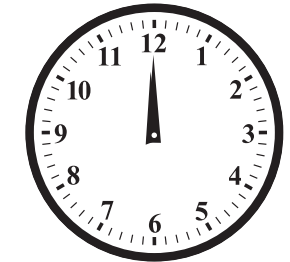
7. Peter went to the shopping centre at the time shown on clock A.

Peter got back home at the time shown on clock B.

How long was Peter gone?



A



B

- Ⓐ 1 hour
- Ⓑ 2 hours
- Ⓒ 3 hours
- Ⓓ 4 hours

6. Yesterday, Peter and 7 possum friends played together.

They formed teams with 2 possums in each.

How many teams did they form?

- Ⓐ 4 teams
- Ⓑ 5 teams
- Ⓒ 3 teams
- Ⓓ 2 teams

8. Polly came to Melbourne to visit Cousin Peter.

She baked one dozen gum leaf biscuits for him.

How many biscuits are in a dozen?

- Ⓐ 6 biscuits
- Ⓑ 8 biscuits
- Ⓒ 12 biscuits
- Ⓓ 16 biscuits

SELF-ASSESSMENT 2

Student's name: _____ Date: _____

Teacher's name: _____

Complete this page after you have finished lessons 6–10. Before you begin, re-read what you wrote in Self-assessment 1.

9. The number that is missing in the box is the same as the number of brothers and sisters that Peter has.

What is the number?

2, 4, _____, 8, 10

- (A) 3
- (B) 5
- (C) 6
- (D) 7

11. Peter put some wild flowers into a bag.

He put in 4 red flowers.

He put in 2 purple flowers.

He put in 1 yellow flower.

He put in 3 blue flowers.

Then Peter reached into the bag without looking.





He picked out a flower.

What colour did he most likely pick?

- (A) red
- (B) blue
- (C) yellow
- (D) purple





10. Peter's favourite place to eat acorns is beside Mr Gomez's square garden.

Which shape is a square?

- (A) 
- (B) 
- (C) 
- (D) 

12. The chart shows the number of animals that live in Peter's neighbourhood.

How many birds live there?

Animal	Number
Dogs	
Cats	
Birds	
Possums	

- (A) 5 birds
- (B) 4 birds
- (C) 8 birds
- (D) 6 birds

1. You have completed lessons 6–10. Explain how well you think you did.

2. Did any of the maths problems give you trouble? _____

If so, what kind of trouble did you have? _____

Are these the same kind of maths problems that gave you trouble in lessons 1–5?

3. Did you find any of the maths problems easier than you did in lessons 1–5?

Why do you think this is so? _____

4. Did you meet your goal for lessons 6–10? Why or why not?

5. How would you rate your work in lessons 6–10? Circle your answer.

successful somewhat successful needs improvement

SELF-ASSESSMENT 1

Student's name: _____ Date: _____

Teacher's name: _____

Complete this page after you have finished lessons 1–5.

1. You have completed lessons 1–5. Explain how well you think you did.

2. Did any of the maths problems give you trouble? _____
If so, what kind of trouble did you have?

3. Complete this sentence: I could have done an even better job
on lessons 1–5 if

4. What is your goal for lessons 6–10?

5. How would you rate your work in lessons 1–5? Circle your answer.

successful somewhat successful needs improvement

LESSON 2

Mother Goose and her maths friends

Mother Goose has many friends.
She writes maths stories about them.
Some of the stories are about
Jack Horner, Jack and Jill, Boy Blue
and Mary and her lamb.

Now do numbers 1 to 12.



1. Jack Horner sat in a corner.
He thought about the number
of pies in the box.

$$200 + 60 + 3$$

What is the number of pies he
thought about?

- Ⓐ 362
- Ⓑ 236
- Ⓒ 263
- Ⓓ 623

3. Baa, Baa, Black Sheep has 3 bags
of wool.

Her friend Maa, Maa has 6 bags
of wool.

How many bags of wool do they
have together?

- Ⓐ 3 bags
- Ⓑ 6 bags
- Ⓒ 8 bags
- Ⓓ 9 bags

2. Boy Blue has 22 horns that he
can blow.

Which number below is closest
to 22?

- Ⓐ 10
- Ⓑ 20
- Ⓒ 30
- Ⓓ 40

4. Jack and Jill went up the hill and
got 7 pails of water.

Jack fell down and spilt 2 pails.

How many pails were still full?

- Ⓐ 5 pails
- Ⓑ 4 pails
- Ⓒ 6 pails
- Ⓓ 3 pails