

FOR THE STUDENT

Comprehensive Assessment of Mathematics Strategies II (CAMS Series II)

is an assessment program that gives you practice with 12 maths strategies.

In ***Comprehensive Assessment of Mathematics Strategies II, Book 5***, you will complete five maths lessons. Each lesson has a maths theme and 12 questions about the theme. Each question helps you practise a particular maths strategy. After you have finished the five lessons, complete the self-assessment. The self-assessment will help you determine how well you met your goals to improve your maths skills.

Comprehensive Assessment of Mathematics Strategies II, Book 5 can help you become a better problem-solver. You will come to understand the important information you must look for as you solve any and all problems.

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

Illustrations by Susan Hawk.

TEACHER ASSESSMENT 2

Complete this page after finishing Teacher assessment 1.

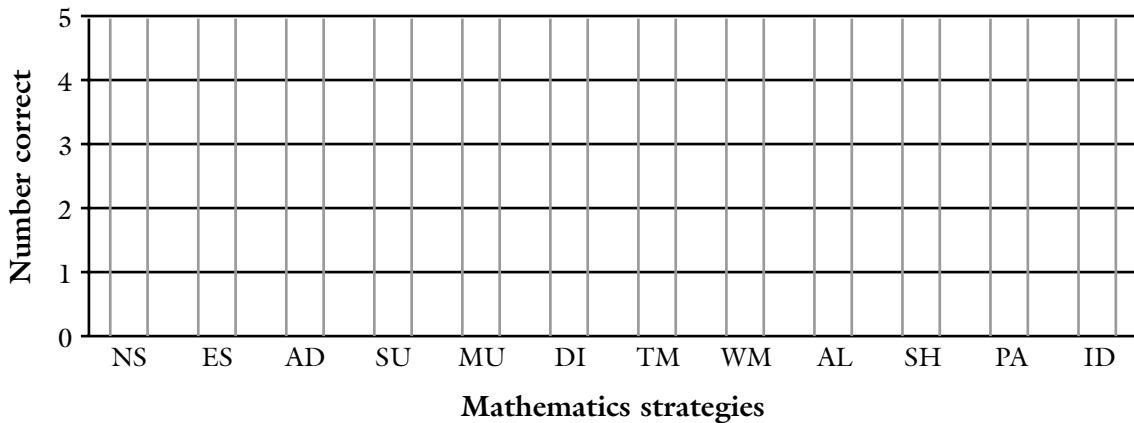
Student's name: _____ Date: _____

Teacher's name: _____

PART ONE

Comparing levels of mastery

Use the chart on Teacher assessment 1 to complete the graph below. For each maths strategy, shade the number correct to form a bar. A completed bar graph compares a student's level of mastery for each maths strategy.



Key

NS = Number sense
ES = Estimation
AD = Addition
SU = Subtraction
MU = Multiplication
DI = Division

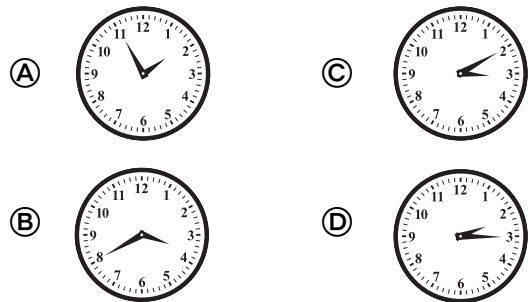
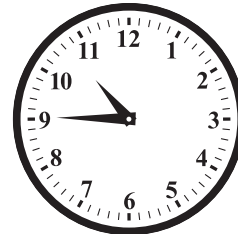
TM = Time and money
WM = Working with measurement
AL = Algebra
SH = Shape
PA = Probability and averages
ID = Interpreting data

5. Mika bought 5 pairs of socks at Happy Feet: 2 pairs of socks sold for \$2.95 a pair; 3 pairs of socks sold for \$3.50 a pair. How much did Mika pay for the socks?

- (A) \$5.90
- (B) \$16.40
- (C) \$10.50
- (D) \$15.80

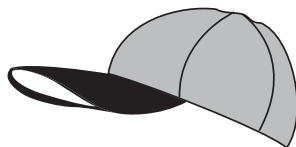


7. On Saturday, Mika arrived at the shopping centre at the time shown on the clock below. She stayed for 4 hours and 25 minutes. Which clock shows the time that Mika left the shopping centre?



6. On Saturday afternoon, Mika counted the number of customers who purchased a baseball cap at Hats and Caps. In 3 hours, she counted 57 sales of baseball caps. About how many sales were made each hour?

- (A) 121 sales
- (B) 171 sales
- (C) 22 sales
- (D) 19 sales



8. The entrance to Myer is 10.73 metres wide. Mika converted the measurement to centimetres. How many centimetres wide is the entrance?

- (A) 1073 cm
- (B) 107.3 cm
- (C) 10.73 cm
- (D) 1.073 cm

SELF-ASSESSMENT

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

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

4. Did you find the maths problems easier than you thought you would?

Why do you think this is so? _____

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

successful somewhat successful needs improvement

LESSON 2

James' search

James found a map in a very old book at the town library. The map indicated that a mystery box was hidden long ago in Walden Forest, outside Rock Cave, an area south of James' town. James and his father have joined forces to scout the bush on weekends, hoping that the map is genuine. Maybe they will find the mystery box.



1. Rock Cave is $3\frac{1}{4}$ kilometres from the entrance to Walden Forest. James knows that one of these numbers does not have the same value as $3\frac{1}{4}$. Which of these is James' correct choice?

- (A) 3.25
- (B) $\frac{13}{4}$
- (C) $(3 \times 1) + (0.25 \times 1)$
- (D) $1.50 + 2.50$

3. While in Walden Forest, James and his father saw several kangaroo-paw plants. James found $1\frac{1}{2}$ dozen kangaroo paws and his father found $2\frac{1}{4}$ dozen. What is the total number of kangaroo paw plants that they found?

- (A) 54 kangaroo paws
- (B) 45 kangaroo paws
- (C) 46 kangaroo paws
- (D) 63 kangaroo paws

2. James estimated the number of hours he and his father spent at Walden Forest during four weekends. To the nearest ten hours, what was his correct estimate?

| Weekend | Hours |
|-----------|-------|
| Weekend 1 | 11 |
| Weekend 2 | 18 |
| Weekend 3 | 14 |
| Weekend 4 | 21 |

- (A) 60 hours
- (B) 70 hours
- (C) 40 hours
- (D) 50 hours

4. James walked 163 paces from Rock Cave to a giant eucalypt tree. Then he retraced 78 paces to the river's edge. How many more paces does James have to retrace to return to the starting point?

- (A) 76 paces
- (B) 82 paces
- (C) 75 paces
- (D) 85 paces