

# 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 3*, you will complete five maths lessons. Each lesson has a maths theme and questions about the theme. Each question helps you practise a particular maths strategy. See if you can figure out the maths strategy as you solve each problem. After you have finished the 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 3* 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.

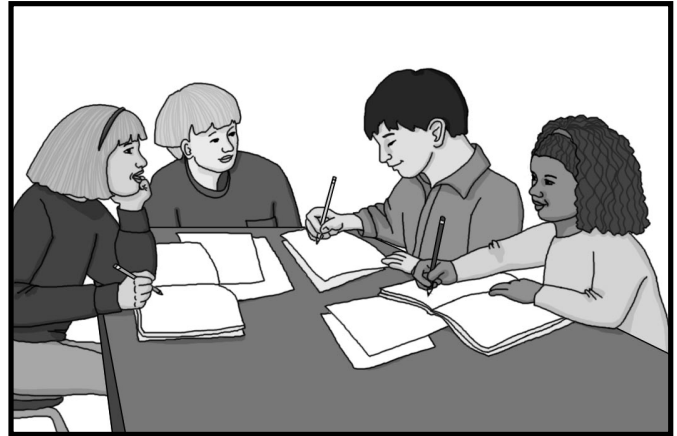
This *Comprehensive Assessment of Mathematics Strategies II* book was prepared for students by Robert G. Forest.

Illustrations by Susan Hawk (pages 2, 3, 5, 6, 8, 11, 12, 14)

# LESSON 1

## Shani and the maths team

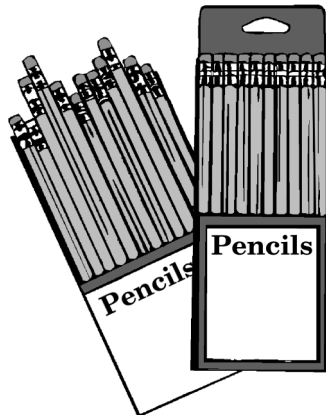
There are 20 students in Shani's maths class. The teacher put the students into teams. Shani enjoys solving and creating problems with the students on her team. Now do numbers 1 to 12.



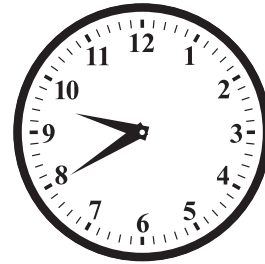
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| <p>1. Shani opened her dictionary to page 669. She turned to the next page to find the maths word she wanted. On what page did she find the maths word?</p> <p>(A) page 668<br/>(B) page 670<br/>(C) page 679<br/>(D) page 660</p> | <p>3. Shani created the following problem.</p> <p>Glenn had 42 sports cards. For Glenn's birthday, his brother gave him 15 more cards. What is the total number of sports cards that Glenn has?</p> <p>(A) 67 cards<br/>(B) 57 cards<br/>(C) 47 cards<br/>(D) 37 cards</p> |
| <p>2. Shani saw that her dictionary had a total of 712 pages. Estimate, to the nearest ten, the number of pages in Shani's dictionary.</p> <p>(A) 720 pages<br/>(B) 700 pages<br/>(C) 800 pages<br/>(D) 710 pages</p>              | <p>4. The maths team had 2 dozen wooden blocks. They used 13 blocks to create a maths problem. How many blocks were not used?</p> <p>(A) 11 blocks<br/>(B) 9 blocks<br/>(C) 15 blocks<br/>(D) 13 blocks</p>  |

5. The teacher handed out 3 new pencils to each maths student. There are 20 students in the maths class. How many pencils did the teacher pass out?

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



7. Shani's maths class begins at the time shown on the clock. The maths class is 45 minutes long. At what time does the maths class end?



- (A) 10.05 a.m.
- (B) 10.15 a.m.
- (C) 10.25 a.m.
- (D) 10.45 a.m.

6. You will need information from problem 5 to solve this problem.

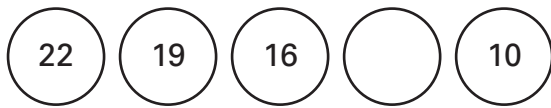
The teacher put the students in Shani's maths class into teams of 4 students. How many maths teams were in the class?

- (A) 5 teams
- (B) 4 teams
- (C) 6 teams
- (D) 3 teams

8. Shani and the other members of her maths team measured the length of the whiteboard at the front of the classroom. The measurement was 3 metres. Which measurement is the same as 3 metres?

- (A) 30 centimetres
- (B) 3 centimetres
- (C) 200 centimetres
- (D) 300 centimetres

9. Shani's maths team made the following pattern. What number is missing from the pattern?

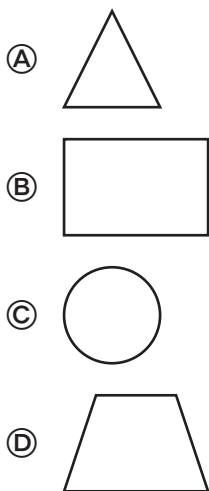


- (A) 11
- (B) 15
- (C) 20
- (D) 13

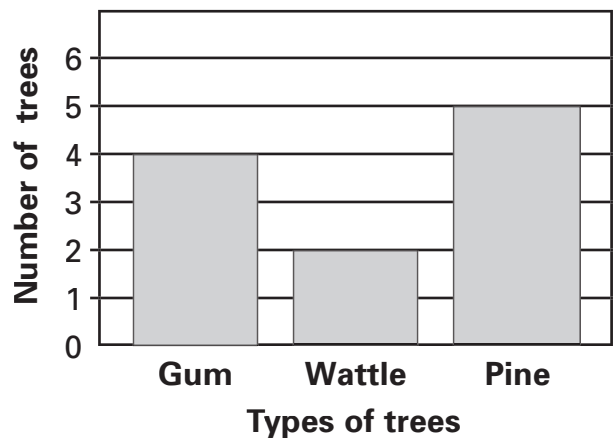
11. Shani put 15 wooden blocks into a bag. There were 4 green blocks, 6 yellow blocks, 2 red blocks and 3 blue blocks. If Jason reaches into the bag without looking, what colour block is he most likely to pick?

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

10. Shani drew four figures. Which figure is a rectangle?



12. Shani's team recorded the number and kinds of trees that grow behind the school. They created a bar graph to show their findings. Which statement about the graph is true?



- (A) There are more gum trees than pine trees.
- (B) There are 3 fewer wattle trees than gum trees.
- (C) The total number of trees is 10.
- (D) There are more pine trees than any other tree.