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publishing

## on Mathematics Series

## Raise understanding and achievement in maths

FOCUS on Mathematics is a maths-strategy practice series that aids all students, including struggling students, to achieve mathematical success. Mastery of core maths strategies is a difficult task to fulfil because students must learn to identify and apply abstract maths concepts and strategies. The FOCUS on Mathematics series makes maths mastery attainable by providing semi-concrete tools for students to use in identifying more complex maths strategies. With repeated practice and exposure, students become confident in their ability to use strategies to solve maths problems. The FOCUS on Mathematics series is based in well-researched teaching and learning strategies, which means that teachers will engage their students with an educationally sound mathematics-practice program.

THIS 48-BOOK RESEARCH-BASED SERIES COVERS SIX STRATEGIES
One per title - at each of the eight maths levels (A-H)


The FOCUS on Mathematics series provides repeated and focused practice of key maths strategies in the context of word problems. With more than 800 word problems in the series, students gain multiple opportunities to practise core maths concepts and strategies.

## EACH STUDENT BOOK FEATURES:

- Learn About - overview with instruction and modelling
- Preview - guided practice with scaffolding, plus sample questions with correct and incorrect responses for discussion
- 20 independent practice lessons
- 5 self-assessments


## HOW IS FOCUS ON MATHEMATICS SUPPORTED BY RESEARCH?

| Students Need Help with | FOCUS on Mathematics Helps |
| :--- | :--- |
| Rational Numbers | Using Algebra, Building Number <br> Sense and Using Estimation. |
| Word Problems | A total of 800 word problems are <br> provided in this series. |
| Study Habits | Student Self-Assessments in <br> each Student Book promote self- <br> monitoring and goal-setting. |

In answer to concerns about students' lacklustre mathematical performance, maths experts and researchers have joined forces to combat the slowing of mathematics progress.

The FOCUS on Mathematics series provides students with explicit instruction of key mathematical concepts and strategies combined with targeted practice in the context of word problems.

Modelled practice introduces students to the skill.

## Learn Abouf

Building Number Sense: Place Value and Writing Numbers


Word Problem Practice: Concentrated and repeated word problem practice.


Skill is applied in 20 independent practice lessons.


Thousands of people visit the Sydney Harbour Bridge each year. Visitors can climb 200 steps to reach the top of the bridge. If they wish they can then climb all the way along the top of the arch to the other side of the bridge! After reaching the top, adventurers enjoy a bird's-eye view of Sydney and its beautiful harbour.


1. The Sydney Harbour Bridge was completed on 19 January 1932. What is the value of the 1 in 1932?
(A) 100
(B) 1000
(C) 10,000
(D) 100,000
2. The bridge weighs $\mathbf{5 2 , 8 0 0}$ tonnes. What is the word form of the number 52,800?
(A) Five thousand and fifty four
(B) Five thousand, two hundred and eighty
© Fifty-two thousand and eighty (D) Fifty-two thousand, eight hundred
3. 272,000 litres of paint were used to paint the Sydney Harbour Bridge. What is the place value of the first 2 in 272,000?
(A) hundreds
(B) ten thousands
(C) hundred thousands
(D) millions
4. In 1932 the cost of building the bridge was $\$ 9,431,144$. What is the sum of the digits in the hundreds place, the ten thousands place and the millions place of this number? Show your work in the space below. Remember to check your solution.

Write your solution.

Explain how you found your solution.


## A Winning Season

Becky, Deni and Mel all play for the Hawks soccer team. The team has won 14 games this season. The girls have one more game left to play for the championship. If the Hawks win the game, the players will receive the winning trophy. The girls have been practising extra hard to win the championship.


1. One group of numbers below contains the numbers that appear on the shirts of four Hawks players The number on each of the shirts is a multiple of 9 . Which group contains these four numbers?
(A) $19,39,29,9$
(B) $45,26,9,81$
(C) $27,90,19,63$
(D) $54,18,72,36$
2. During one practice, the coach put the 18 players on the team into 6 equal groups. Which equation can help you find the number of players in each group?
(A) $6 \times 18=p$
(B) $18=p \times 6$
(C) $p=18-6$
(D) $18+6=p$
3. During the season, Becky scored 4 more goals than Mel. Mel scored 1 less goal than Deni. Deni scored 12 goals. How many goals did the girls score in all? Write equations with boxes or letters as unknowns. Show your work in the space below. Remember to check your solution.

Write your solution.

Explain how you found your solution.

## ORDER FORM

| BUILDING NUMBER SENSE |  |  |  |  |  |  |  |
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|  |  | STUDENT BOOKS |  |  | TEACHER GUIDES |  |  |
| Book | Year Level | Item \# | Price (Pack of 5) | Qty | Item \# | Price (each) | Qty |
| A | $1.0-1.9$ | CA11212 | $\$ 43.95$ (Pack of 5) |  | CA112129 | $\$ 15.35$ |  |
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| USING GEOMETRY |  |  |  |  |  |  |  |
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| USING ESTIMATION |  |  |  |  |  |  |  |
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| DETERMINING PROBABILITY AND AVERAGES |  |  |  |  |  |  |  |
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| USING ALGEBRA |  |  |  |  |  |  |  |
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| COMPLETE SETS |  |  |  |  |  |  |  |
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## FOCUS COLLECTION

## Year/Reading Level Collections include:

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An Example: Class Set A - If ordering Class Set A you would receive

- Building Number Sense $-5 \times$ Student A Books $+1 \times$ Teacher A Guide
- Using Estimation $-5 \times$ Student A Books $+1 \times$ Teacher A Guide
- Using Algebra $-5 \times$ Student A Books $+1 \times$ Teacher A Guide
- Using Geometry $-5 \times$ Student A Books $+1 \times$ Teacher A Guide
- Determining Probability and Averages $-5 \times$ Student A Books $+1 \times$ Teacher A Guide - Interpreting Graphs and Charts $-5 \times$ Student A Books +1 x Teacher A Guide


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