



Sample assessment task

Year level	5
Learning area	Mathematics
Subject	Fractions and Decimals
Title of task	Compare, order and represent decimals

Task details

Description of task	Students will complete the question and answer booklet on decimals.
Type of assessment	Summative
Purpose of assessment	To assess students' understanding of decimal numbers and ability to compare and order them.
Assessment strategy	Written task
Evidence to be collected	Question and answer booklet
Suggested time	1 hour

Content description

Content from the Western Australian Curriculum	Number and Algebra Fractions and Decimals Compare, order and represent decimals			
Proficiencies	Understanding	Fluency	Reasoning	Problem Solving
	✓	✓	✓	✓

Task preparation

Prior learning	Students have prior knowledge of: <ul style="list-style-type: none">tenths and hundredths as a part of a whole (as fractions)place value understanding has been extended to hundredths.
Assessment differentiation	Teachers should differentiate their teaching and assessment to meet the specific learning needs of their students, based on their level of readiness to learn and their need to be challenged. Where appropriate, teachers may either scaffold or extend the scope of the assessment tasks.

Assessment task

Assessment conditions	This is an individual, in-class assessment.
Resources	Writing materials

Instructions for teacher

Distribute question and answer booklet to students. Discuss booklet and read through questions. Ensure students understand what is expected. Instruct students they will be completing this task individually.

Instructions to students

This task is assessing your knowledge of decimal numbers. Complete each question in the booklet. Show your thinking in the boxes. *Make sure you answer all parts of the question, if there is more than one part.*

1. The spine labels of these books fell off. The numbers were:

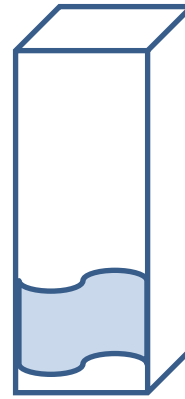
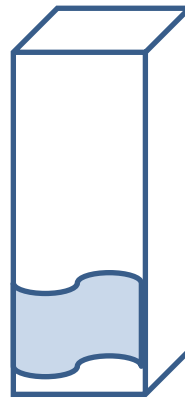
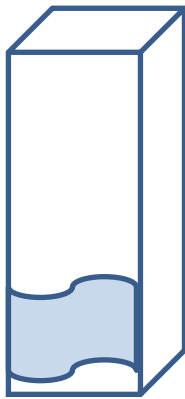
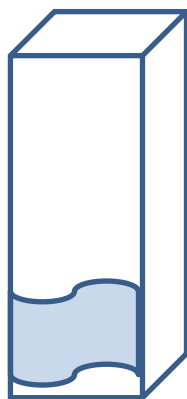
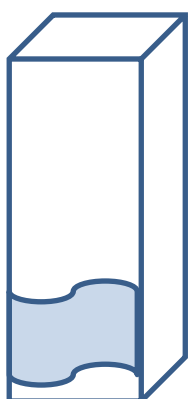
106.5

106.25

106.3

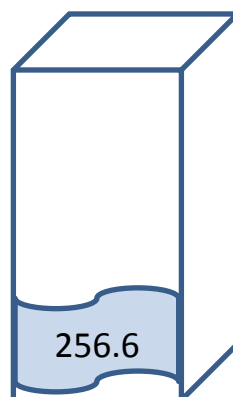
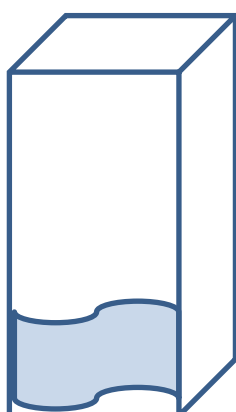
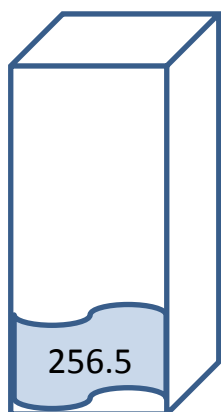
106.09

106.9



Write the numbers onto the labels of the books above in the correct order. In the box below, explain why you have placed the books in this order.

1. If there was a book correctly placed between the two books below, what might the decimal number on its label be? Explain why you chose this number in the box below.



2. The spine labels of these books fell off. The numbers were:

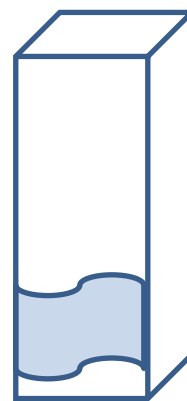
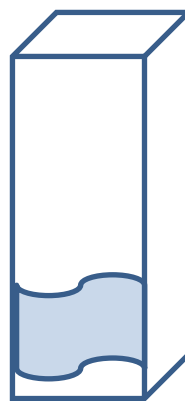
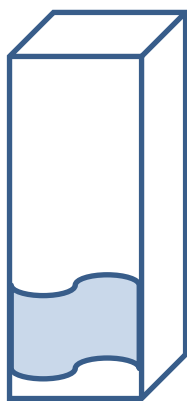
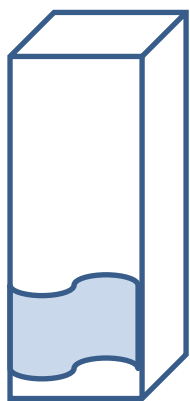
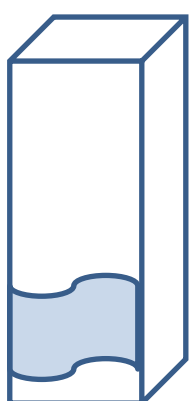
359.135

402.011

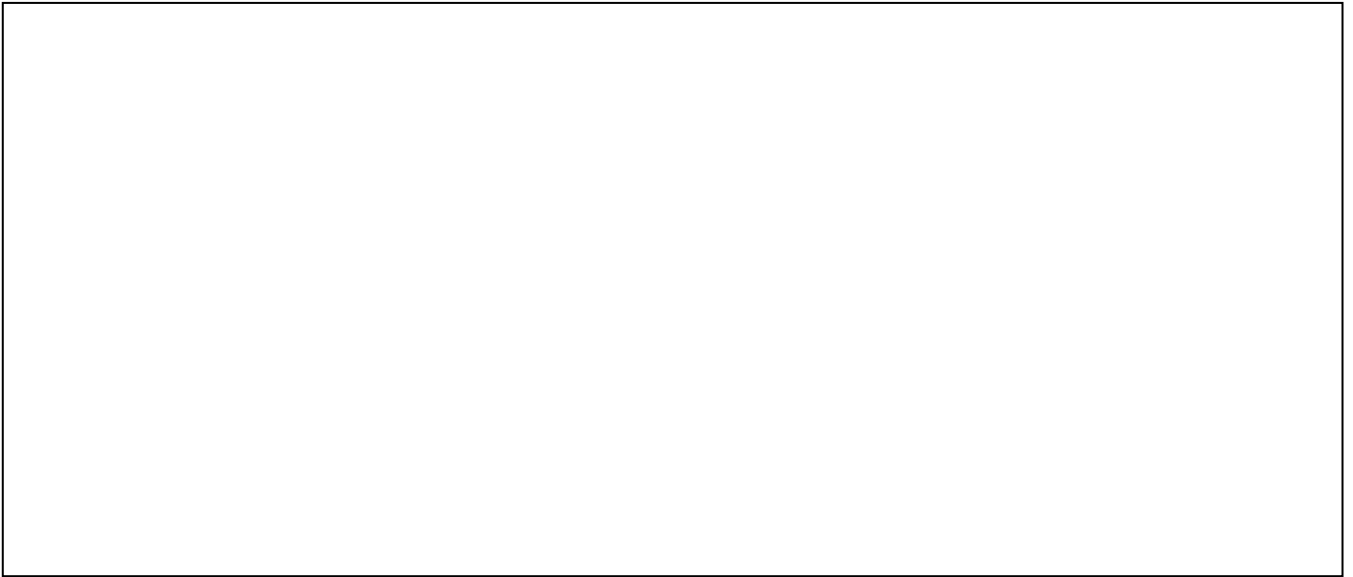
359.219

402.101


359.032



Write the numbers onto the labels of the books above in the correct order. In the box below, explain why you have placed the books in this order.



3. Which is larger: 402.011 or 402.101? Explain your reasoning, using words and/or diagrams in the box below.



Sample marking key

Description	Marks
Question 1: Orders five numbers with two decimal places	
Orders all decimals in correct order and explains clearly, using accurate mathematical language and/or symbols.	3
Orders all decimals in correct order and explains, using mathematical language and/or symbols.	2
Orders some decimals in order and provides a limited explanation, which may be incorrect or contain inaccuracies.	1
Subtotal	3
Description	Marks
Question 2: Inserts a number with two decimal places between given numbers.	
Writes an appropriate number correctly and explains clearly, using mathematical language and/or representations to show reasoning.	2
Writes an appropriate number correctly, with little or no explanation.	1
Subtotal	2
Description	Marks
Question 3: Orders five numbers with three decimal places	
Orders all decimals in correct order and explains clearly, using accurate mathematical language and/or symbols.	3
Orders all decimals in correct order and explains, using mathematical language and/or symbols.	2
Orders some decimals in order and provides a limited explanation, which may be incorrect or contain inaccuracies.	1
Subtotal	3
Description	Marks
Question 4: Compares decimals and explains why some are larger than others	
Identifies correctly which number is larger and explains the reasons for choice, using mathematical language and/or other representations.	2
Identifies the larger number, with little or no explanation.	1
Subtotal	2
Total	10