Optional extension: Explain why measuring units must be identical · Explain the units

NAME	DATE

1

Optional extension · Extra content beyond Alberta Grade 1 requirements

Activity · Work with your teacher

Ben measures a book with 5 big blocks and 3 small blocks. Ben says the book is 8 blocks long. Why is that not the right length?

Optional extension: Explain why measuring units must be identical · Explain the units

1. Says the blocks are not all the same size, so counting them does not tell how long the book is: every block has to be the same size. Any words that say this count (“some are big and some are small”). A reason about using too many blocks, or the book being too long, is Not yet.

Practice / supporting evidence: Explaining unit consistency is supplementary to the Grade 1 comparison requirement.

Teacher procedure · Question 1

1. Put 5 big blocks and 3 small blocks end to end along a book. No blocks? Use 5 long and 3 short strips of paper.
2. Say: “Ben says the book is 8 blocks long. Why is that not the right length?”
3. Listen, then write down what the child says. Do not give the reason.

Record: The child said

Says the blocks are not all the same size, so counting them does not tell how long the book is: every block has to be the same size. Any words that say this count (“some are big and some are small”). A reason about using too many blocks, or the book being too long, is Not yet.