

Block Builders Learn About Place Value

Grade 2

Math

Nonfiction

Block builders Theme

~142 words

CCSS.MATH.2.NBT.A.1

Name: _____ Date: _____

READ — READ THIS PASSAGE CAREFULLY. YOU MAY READ IT TWICE.

Block builders use numbers every day when they construct tall buildings and strong towers. Understanding place value helps them know how many blocks they need. Place value means that the position of a digit tells us its worth. In the number 23, the 2 is in the tens place, so it represents 20. The 3 is in the ones place, so it represents 3 blocks. Block builders group their materials into tens and ones to stay organized. When they have 10 ones, they bundle them together to make one group of ten. This makes counting easier and faster. A builder with 34 blocks knows they have 3 tens and 4 ones. Learning place value helps block builders estimate how many materials they need before starting a big project. Every skilled builder knows that understanding place value makes construction planning simple and smart.

Tip: Read the passage twice before turning to the questions on the next page.

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Questions

⇒ **ANSWER** USE THE PASSAGE ON PAGE 1 TO HELP FIND YOUR ANSWERS.

MAIN IDEA

1. What is this passage mostly about?

TEXT EVIDENCE

2. According to the passage, what does the position of a digit tell us?

VOCABULARY

3. What does the word 'bundle' mean in the passage?

INFERENCE

4. Why would grouping blocks into tens and ones help a builder work faster?

CAUSE AND EFFECT

5. What happens when a block builder understands place value?

TEXT EVIDENCE

6. Give an example from the passage that shows how place value works with the number 34.

✓ ANSWER KEY — Block Builders Learn About Place Value

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TEACHER / PARENT USE ONLY — Suggested answers shown below each question

Block builders use numbers every day when they construct tall buildings and strong towers. Understanding place value helps them know how many blocks they need. Place value means that the position of a digit tells us its worth. In the number 23, the 2 is in the tens place, so it represents 20. The 3 is in the ones place, so it represents 3 blocks. Block builders group their materials into tens and ones to stay organized. When they have 10 ones, they bundle them together to make one group of ten. This makes counting easier and faster. A builder with 34 blocks knows they have 3 tens and 4 ones. Learning place value helps block builders estimate how many materials they need before starting a big project. Every skilled builder knows that understanding place value makes construction planning simple and smart.

MAIN IDEA

1. What is this passage mostly about?

The passage is mostly about how block builders use place value to understand and organize the numbers of blocks they need for their construction projects.

TEXT EVIDENCE

2. According to the passage, what does the position of a digit tell us?

The passage states that 'the position of a digit tells us its worth,' meaning where a digit is located in a number shows what value it has.

VOCABULARY

3. What does the word 'bundle' mean in the passage?

Bundle means to tie or group things together, like when block builders put 10 ones together to make one group of ten.

INFERENCE

4. Why would grouping blocks into tens and ones help a builder work faster?

Grouping blocks into tens and ones helps builders work faster because it is easier to count larger groups than counting single blocks one by one.

CAUSE AND EFFECT

5. What happens when a block builder understands place value?

When a block builder understands place value, they can estimate how many materials they need before starting a project and plan their construction more easily.

TEXT EVIDENCE

6. Give an example from the passage that shows how place value works with the number 34.

The passage explains that 'a builder with 34 blocks knows they have 3 tens and 4 ones,' showing that the 3 represents thirty and the 4 represents four single blocks.