

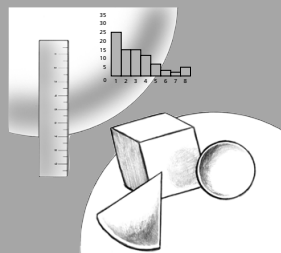
**Wisconsin Knowledge and Concepts Examinations
Criterion-Referenced Test**

Released Item Book

Mathematics

Grade

3



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Wisconsin Knowledge and Concepts Examinations—Criterion-Referenced Test
(WKCE-CRT)

Released Item Book

What are released items?

The items in this book are actual items from the fall 2005 state assessment, the Wisconsin Knowledge and Concepts Examinations—Criterion-Referenced Test (WKCE-CRT). These items will not be used again on the state assessment and may, therefore, be used in Wisconsin for professional development, improving instruction, and student practice. The items in this book illustrate the formats and kinds of items that students will encounter on the WKCE-CRT.

How do I use this book?

Professional Development

Released items are useful as educators engage in conversations about what students are expected to know and be able to do to demonstrate proficiency on the state assessments relative to the state model academic standards. Released items can inform discussions about state and local standards, curriculum, instruction, and assessment.

Improving Instruction

Teachers may use released items in classroom activities that help students understand how to:

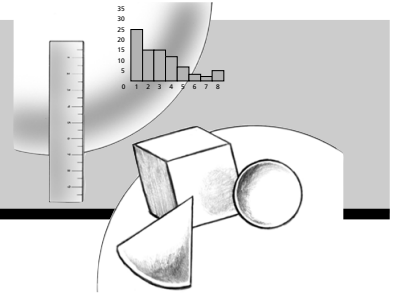
- solve problems
- determine which answer choices are correct, which are incorrect, and why
- respond to constructed response items with complete, thoughtful answers
- approach long and/or multi-step tasks
- use good test-taking strategies.

Student Practice

Students may perform better and with less anxiety if they are familiar with the format of the test and with the types of items they will be required to answer. See the accompanying guide for instructions on administering the released item book as a practice test and for the answer key. Note that a student's score on the practice test cannot be converted to a scale score, used to predict performance on the operational WKCE-CRT, or used to make inferences about the student's learning.

Mathematics

Session 1



1 Look at the number sentence below.

$$27 + \square = 37$$

What number is missing from the number sentence?

- (A) 0
- (B) 10
- (C) 17
- (D) 64

2 The table below shows how many minutes Ben practiced playing the piano last weekend.

Ben's Piano Practice

Day	Time (in minutes)
Friday	25
Saturday	30
Sunday	29

How many minutes did Ben practice playing the piano in all?

- (A) 74 minutes
- (B) 79 minutes
- (C) 84 minutes
- (D) 85 minutes

3 Which of these number sentences is true?

- (A) $12 - 5 = 11 - 6$
- (B) $12 - 5 = 12 - 7$
- (C) $12 - 5 = 15 - 2$
- (D) $12 - 5 = 16 - 9$

4 Missy made the number pattern below.

3, 6, 9, ? , ? , 18

What two numbers are missing from the pattern?

- (A) 10, 11
- (B) 12, 15
- (C) 13, 15
- (D) 19, 20



5 Simon has 3 boxes with 8 crayons in each box.

Step A

How many crayons does Simon have?

Answer: _____ crayons

Step B

Explain how you found the number of crayons that Simon has.
Use words, numbers, and/or symbols in your answer.

- 6** Look at the number sentence below.

$$3 + 4 = 2 + \square$$

What number goes in the box to make the number sentence true?

- (A) 4
- (B) 5
- (C) 7
- (D) 9

- 7** The number sentence below is missing a number. Kerry needs to find the number that belongs in the box.

$$9 + \square = 16$$

Which of these number sentences shows another way that Kerry could find the missing number?

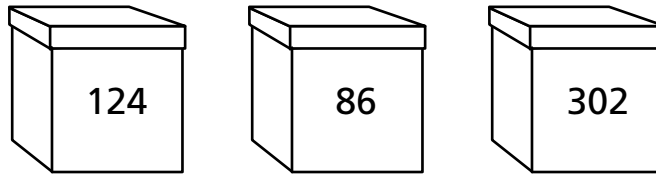
- (A) $0 + 16 = \square$
- (B) $16 + 9 = \square$
- (C) $16 - 9 = \square$
- (D) $25 - 16 = \square$



8 Which set of coins is equal to 86¢?



9 Mr. Kemp has 3 boxes of building blocks. Each box contains a different number of blocks, as shown below.



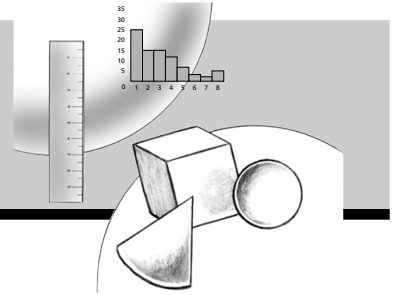
About how many building blocks does Mr. Kemp have?

- (A) 490
- (B) 510
- (C) 530
- (D) 550

STOP 

Mathematics

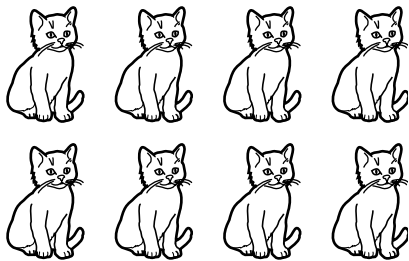
Session 2



10 Which of these numbers has an 8 in the tens place?

- (A) 18
- (B) 98
- (C) 281
- (D) 862

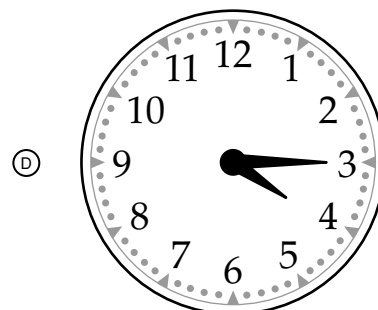
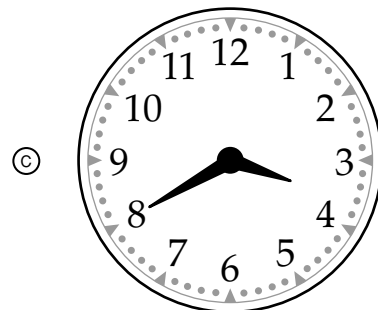
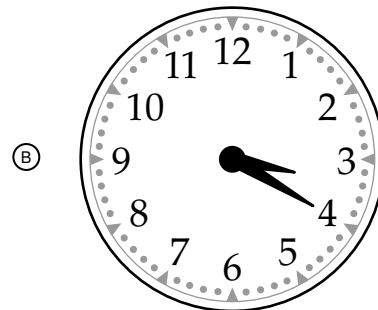
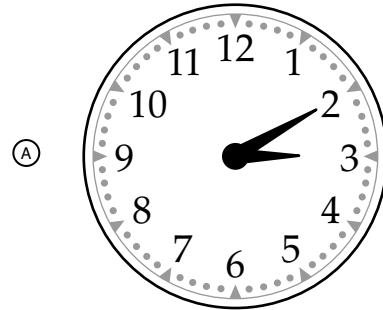
11 Ann's cat had 8 kittens as shown below. Ann kept $\frac{1}{4}$ of the kittens.



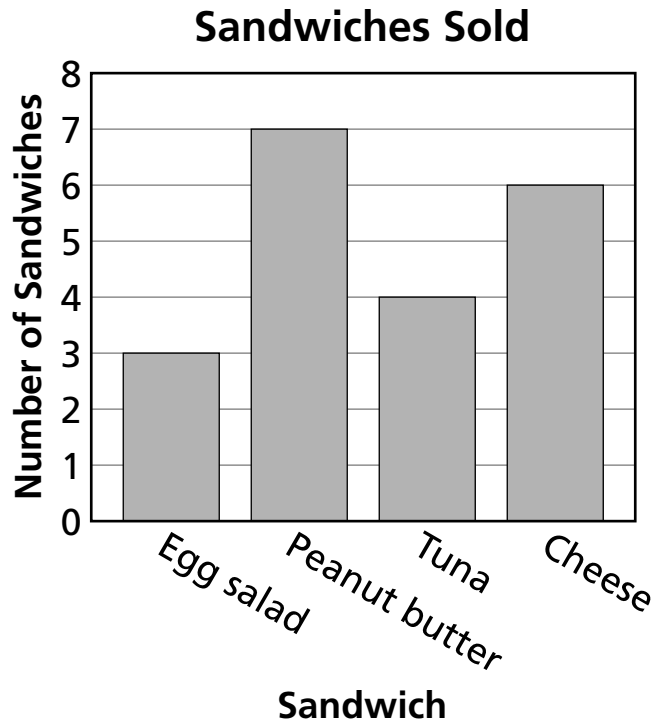
How many kittens did Ann keep?

- (A) 1 kitten
- (B) 2 kittens
- (C) 4 kittens
- (D) 6 kittens

12 Which clock shows 3:20?



- 13** The bar graph below shows the number of sandwiches sold at Sal's Store.



How many more peanut butter sandwiches were sold than tuna sandwiches?

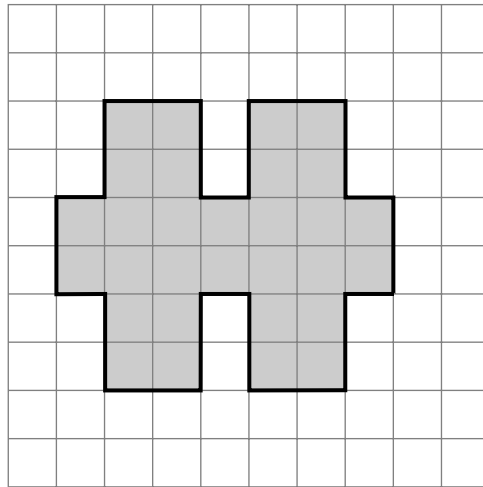
- (A) 1
- (B) 2
- (C) 3
- (D) 4

- 14** Eric walks to school each day. Which of these best describes how long it takes Eric to walk to school?

- (A) centimeters
- (B) inches
- (C) seconds
- (D) minutes



15 Look at the grid below.



Step A

How many square units are shaded on the grid?

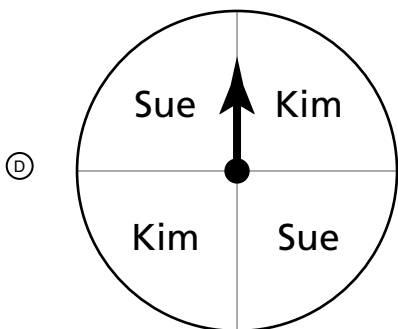
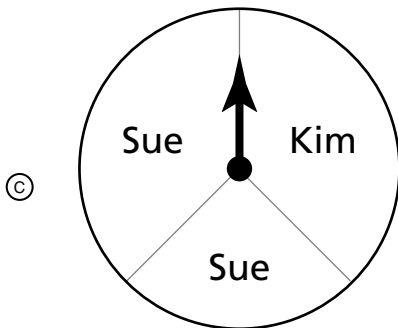
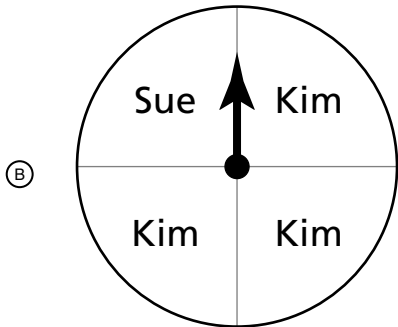
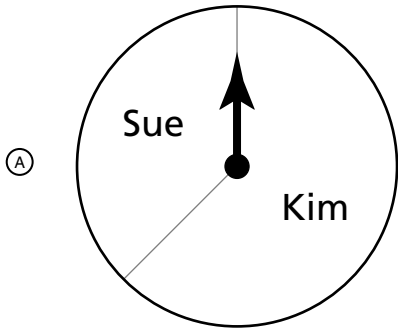
Answer: _____ square units

Step B

Explain how you found the number of square units that are shaded.
Use words and/or numbers in your answer.

16

Sue and Kim made a spinner to help them decide who will ride a bike first. The spinner gives Sue and Kim the same chance to ride first. Which of these could be the spinner they made?



17 Look at the shape below.



Which 2 shapes can be used to make the shape shown?

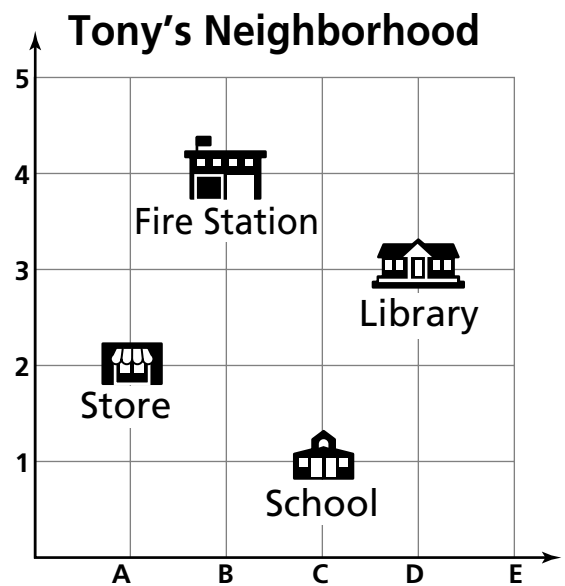
- (A)
- (B)
- (C)
- (D)

18 Which sign has 8 sides?

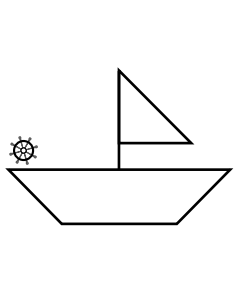
- (A)
- (B)
- (C)
- (D)

19 The grid at right shows Tony's neighborhood. Which building is located at (B, 4)?

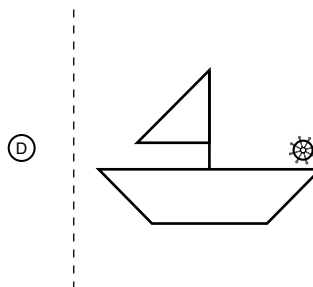
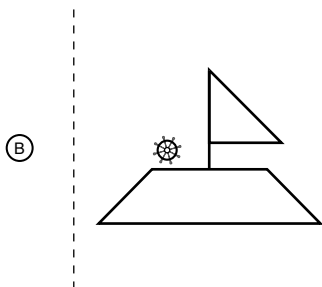
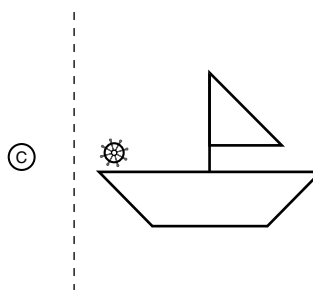
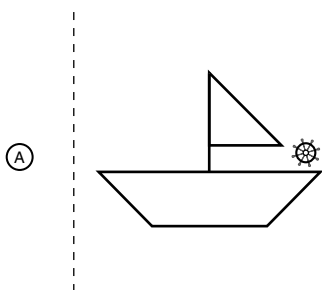
- (A) store
- (B) school
- (C) library
- (D) fire station



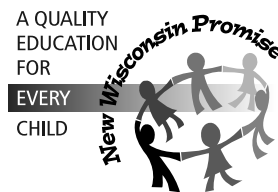
20 Jane owns the toy boat shown below.



Which of these shows the boat flipped over the line?



Mathematics Grade 3 Released Item Book



Wisconsin Department of Public Instruction
Elizabeth Burmaster, State Superintendent