Minnesota Test of Academic Skills (MTAS)
Mathematics Released Questions
Grade 3

mn DEPARTMENT OF EDUCATION

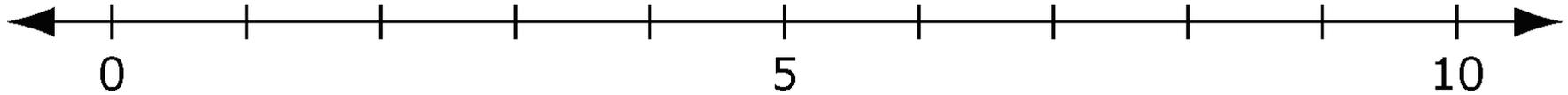# Minnesota Test of Academic Skills
Grade 3 Mathematics
Sample Task 1

Test Administrator Instructions	Score	Student Responses
Administration notes: ▪ *You may use objects when presenting questions and answer options. However, some tasks limit how objects can be used; any limitations will be specified on the task.* ▪ *Repeat the question exactly as it appears at score 3 as many times as needed until the student responds or until it is clear that the student will not respond.*		
<u>Present</u>: M3_Sample 1.1 <u>Say</u>: **Here is a number line. Which number is between 3 and 7?** <u>Present</u> the answer options in order. *Point to each option as you say it.* **A. 2** **B. 6** **C. 8**	**3**	6 *If you believe the student's correct response was unintentional, reorder the answer options to B, C, A (instead of A, B, C). Repeat the question. If the student chooses the correct answer again, the task should be scored a 3. If the student chooses an incorrect answer, continue below.*
Additional administration notes: ▪ *If the student responds incorrectly or not at all, present the task with support as scripted.* ▪ *Once additional support is provided, the task may not be re-administered for a score of 3.*		
<u>Present</u>: M3_Sample 1.2 <u>Say</u>: **Here is another number line. This number line shows all of the numbers.** *Point to each of the numbers on the number line (0–10) as you read them.* **Which number is between 3 and 7?** <u>Re-present</u> the answer options in order. *Point to each option as you say it.* **A. 2** **B. 6** **C. 8**	**2**	6 *If you believe the student's correct response was unintentional, reorder the answer options to B, C, A (instead of A, B, C). Repeat the question. If the student chooses the correct answer again, the task should be scored a 2. If the student chooses an incorrect answer, the task should be scored a 1.*
	1	2 or 8
	0	Unrelated or none

Grade 3 Math 3.1.1.5: Students will compare and order whole numbers.

0   5   10

Which number is between 3 and 7?

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◄──┼────┼────┼────┼────┼────┼────┼────┼────┼────┼──►
   0    1    2    3    4    5    6    7    8    9   10
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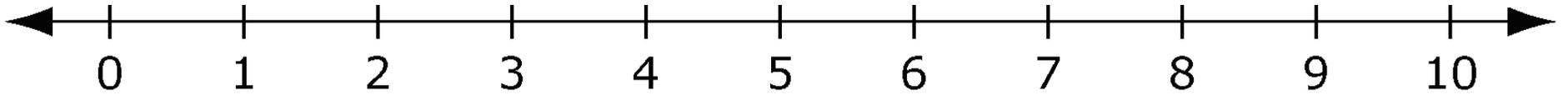
Which number is between 3 and 7?

M3_Sample 1
A

2

M3_Sample 1
B

6

M3_Sample 1
C

8

Minnesota Test of Academic Skills
Grade 3 Mathematics
Sample Task 2

Test Administrator Instructions	Score	Student Responses
Administration notes: ▪ *You may use objects when presenting questions and answer options. However, some tasks limit how objects can be used; any limitations will be specified on the task.* ▪ *Repeat the question exactly as it appears at score 3 as many times as needed until the student responds or until it is clear that the student will not respond.*		
<u>Present</u>: M3_Sample 2.1 <u>Say</u>: **A boy puts 10 books on the shelf. He puts 4 more books on the shelf. How many books are on the shelf now?** <u>Present</u> the answer options in order. *Point to each option as you say it.* **A. 4** **B. 10** **C. 14**	3	14 *If you believe the student's correct response was unintentional, reorder the answer options to B, C, A (instead of A, B, C). Repeat the question. If the student chooses the correct answer again, the task should be scored a 3. If the student chooses an incorrect answer, continue below.*
Additional administration notes: ▪ *If the student responds incorrectly or not at all, present the task with support as scripted.* ▪ *Once additional support is provided, the task may not be re-administered for a score of 3.*		
<u>Re-present</u>: M3_Sample 2.1 <u>Say</u>: **There are 10 books on the shelf.** *Count out each book up to 10.* **Four more books are added.** *Using your finger, trace a circle around the group of 4 books.* **Count all the books.** *Trace your finger around all the books.* **How many books are on the shelf now?** <u>Re-present</u> the answer options in order. *Point to each option as you say it.* **A. 4** **B. 10** **C. 14**	2	14 *If you believe the student's correct response was unintentional, reorder the answer options to B, C, A (instead of A, B, C). Repeat the question. If the student chooses the correct answer again, the task should be scored a 2. If the student chooses an incorrect answer, the task should be scored a 1.*
	1	4 or 10
	0	Unrelated or none

Grade 3 Math 3.1.2.2: Students will use addition and subtraction to solve real-world and mathematical problems, and use context to assess the reasonableness of results.

A boy puts 10 books on the shelf. He puts 4 more books on the shelf. How many books are on the shelf now?

4

10

14

Minnesota Test of Academic Skills
Grade 3 Mathematics
Sample Task 3

| Test Administrator Instructions	Score	Student Responses
Administration notes: ▪ *You may use objects when presenting questions and answer options. However, some tasks limit how objects can be used; any limitations will be specified on the task.* ▪ *Repeat the question exactly as it appears at score 3 as many times as needed until the student responds or until it is clear that the student will not respond.*		
Present: M3_Sample 3.1 Say: **Here are some shapes.** *Point to each of the answer options.* **Which shape has 5 angles?** Present the answer options in order (pentagon, square, triangle). *Point to each option as you say "Shape A, Shape B, Shape C."* A. **Shape A** *(pentagon)* B. **Shape B** *(square)* C. **Shape C** *(triangle)*	3	Shape A *(pentagon)* *If you believe the student's correct response was unintentional, reorder the answer options to B, C, A (instead of A, B, C). Repeat the question. If the student chooses the correct answer again, the task should be scored a 3. If the student chooses an incorrect answer, continue below.*
Additional administration notes: ▪ *If the student responds incorrectly or not at all, present the task with support as scripted.* ▪ *Once additional support is provided, the task may not be re-administered for a score of 3.*		
Present: M3_Sample 3.2 Say: **Here is an angle. An angle is where two lines meet.** *Point to where the lines meet on the graphic.* **Which shape has 5 angles?** Re-present the answer options in order (pentagon, square, triangle). *Point to each option as you say "Shape A, Shape B, Shape C."* A. **Shape A** *(pentagon)* B. **Shape B** *(square)* C. **Shape C** *(triangle)*	2	Shape A *(pentagon)* *If you believe the student's correct response was unintentional, reorder the answer options to B, C, A (instead of A, B, C). Repeat the question. If the student chooses the correct answer again, the task should be scored a 2. If the student chooses an incorrect answer, the task should be scored a 1.*
	1	Shape B *(square)* or Shape C *(triangle)*
	0	Unrelated or none

Grade 3 Math 3.3.1.2: Students will create geometric shapes with a given number of sides or angles.
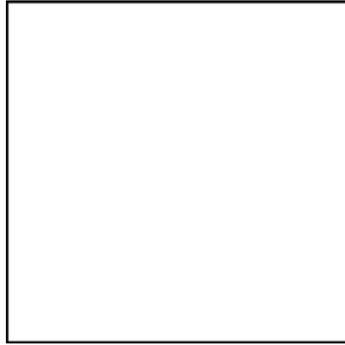
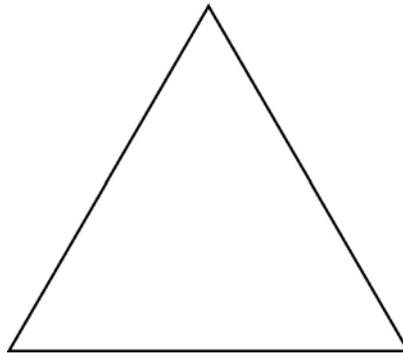# Which shape has 5 angles?
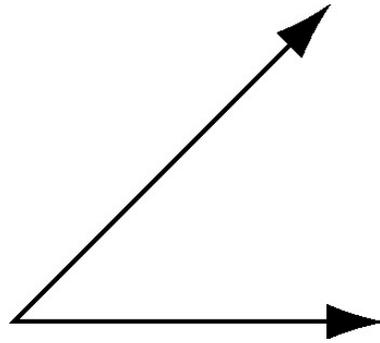
Which shape has 5 angles?
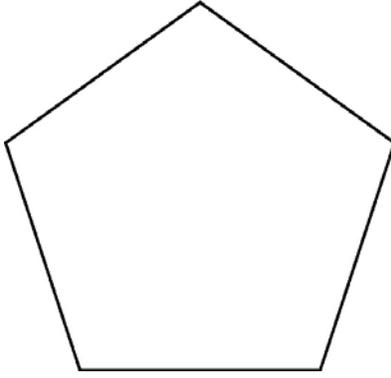
Shape A

Shape B

Shape C

MTAS Mathematics Object List (OPTIONAL)
Mathematics Released Questions

The MTAS Object Lists for mathematics and science include examples of objects and other variations in the presentation of the MTAS tasks. Some common ways to vary the task presentation include (1) using Braille text and tactile graphics, enlarging, or texturizing print and (2) supplementing numbers in tasks with some type of counter. These variations may be used with nearly all math and science tasks unless explicitly prohibited in the task script.

Calculators are allowed on all tasks but may be especially useful for tasks involving basic operations (addition, multiplication, subtraction, and division). Students may use **any** type of calculator on the MTAS with which they have demonstrated appropriate competence during classroom instruction.

Keep in mind that these lists provide recommendations only; test administrators may use different objects and/or text formats to make tasks more accessible for individual students as long as students are not provided with additional content information. For example, several math tasks incorporate a number line with an unlabeled point. Number lines used in classrooms may not be appropriate for all of the MTAS tasks if all points are labeled.

Please contact MDE (mde.testing@state.mn.us) if you have questions about objects that may be used to represent MTAS tasks.

Task	Objects
Grade 3 Sample 01	**Present raised version of number line using sticky string or tactile graphics:** Use math tiles or Braille for numbers on the number line: 0, 5, 10 **Present additional information for score 2 by adding numbers to the number line:** Use math tiles or Braille for numbers on the number line: 1, 2, 3, 4, 5, 6, 7, 8, 9 **Present answer options using math tiles or Braille:** 2 6 8
Grade 3 Sample 02	**Present task using prefered counting materials such as counters, tactile symbols, tally cards and grouping tools.** **A calculator may also be used.** 14 **Present answer options using counters or Braille:** 4 10 14 **Note:** Total counters needed: 42 counters

| Grade 3 Sample 03 | **Present task/answer options using shape tiles:**
1 pentagon
1 square
1 triangle

Present additional information for score 2 using sticky string or tactile graphics:
1 acute angle |