

# Practice Test

## ORExt

## Grade 8

# Mathematics

**Scoring Protocol  
and  
Student Materials**

Oregon Department of Education  
Behavioral Research and Teaching - UO

# **Oregon Extended Assessment Practice Test**

## **Test Administration Instructions**

This test form contains all materials you will need to administer the ORExt practice test, including the Scoring Protocol (SP) and Student Materials (SM).

- SP – includes administration directions, item prompts, and scoring information that the Qualified Assessor (QA) needs to administer the ORExt.
- SM – includes item prompts and answer choices for the student to review and select answers.
- In the SP all items are identified as Low (L), Medium (M), or High (H) difficulty at the beginning of the item prompt. Most Low level items have iconic answer choices to support student access. QAs may substitute objects or picture-symbols that the student is more familiar with for all Low level items.
- All instructions for the QA are written in parentheticals in the SP, e.g., (Point to student materials.). All prompts are written in plain text.
- The prompt is also written in the SM for the student to review. The SM contains three answer choices. Students can respond to prompts in their preferred communication modality (e.g., speech, sign, pointing, eye gaze, etc.).
- Follow all instructions provided in the SP. The majority of items can be read aloud entirely, including answer choices. When read aloud is not acceptable (only in ELA decoding items), the SP will explicitly state that the QA should NOT read the answer choices for that item.
- Provide the student the level of support that they need to access each test item (i.e., Full Physical, Partial Physical, Visual/Verbal/Gestural, or Full Independence), while not violating the item construct.
- Read directions carefully and deliberately to the student.
- Start with the directive statement to focus student attention on the SM.
- Read the item prompt (question) first (unless the student consistently needs the directive statement read to them).
- Move on to the next item if the student responds/selects an answer choice.
- Re-read the directive statement for the item if the student does not respond and then repeat the prompt. Re-read as often as necessary all directions, prompts, and directive statements.
- Point to each answer choice as it is read.
- Provide general praise of student effort, but do not lead the student to a correct answer.
- Move on to the next item after two attempts with no response and record a zero in the SP.
- Score all items as correct (=1) or incorrect (=0).

Item 1	Option:	A	B	C	Correct	Student Response
L - Here is a number to the first power. (Point to student materials.) A number to the first power equals itself. What is 15 to the first power: 1, 15, or 20?		1	15	20	b	

Scoring: 0 = incorrect; 1 = correct

Item 2	Option:	A	B	C	Correct	Student Response
L - Here are three line graphs. (Point to student materials.) Slope is how steep a line is. You find positive slope by counting how many units you go up, and then right from one point to find the next point. Which line has a slope of one up, one to the right: A, B, or C?					b	

Scoring: 0 = incorrect; 1 = correct

Item 3	Option:	A	B	C	Correct	Student Response
L - Here are two similar triangles, triangle ABC and triangle JKL. (Point to student materials.) Because the triangles are similar and in the same orientation, their corresponding slopes are the same. Which line has the same slope as line JL: BC, AC, or AB?		$\overline{BC}$	$\overline{AC}$	$\overline{AB}$	b	

Scoring: 0 = incorrect; 1 = correct

Item 4	Option:	A	B	C	Correct	Student Response
L - Here are three lines. (Point to student materials). When slope is positive, the line goes up to the right. Which line has positive slope: A, B, or C?		A	B	C	a	

Scoring: 0 = incorrect; 1 = correct

Item 5	Option:	A	B	C	Correct	Student Response
M - Here is a right triangle, ABC. (Point to student materials.) The hypotenuse is the side opposite this right angle. Which line is the hypotenuse of triangle ABC: line AB, line BC, or line CA?		$\overline{AB}$	$\overline{BC}$	$\overline{CA}$	c	

Scoring: 0 = incorrect; 1 = correct

Item 6	Option:	A	B	C	Correct	Student Response
M - Here are three boats moving at different speeds. (Point to student materials.) Boat A is going 20 miles per hour, Boat B is going 21 miles per hour, and Boat C is going 39 miles per hour. Which boat is going the fastest: A, B, or C?		A	B	C	c	

Scoring: 0 = incorrect; 1 = correct

Item 7	Option:	A	B	C	Correct	Student Response
M - Here is an equation with the variable $x$ . (Point to student materials.) This says $7x = 14$ . Seven times what number equals 14: 1, 2, or 3?		1	2	3	b	

Scoring: 0 = incorrect; 1 = correct

Item 8	Option:	A	B	C	Correct	Student Response
M - Here is a box that is 2 feet long, 3 feet wide, and 4 feet high. (Point to student materials.) How many cubic feet is this box: 20, 22, or 24?		20 ft. <sup>3</sup>	22 ft. <sup>3</sup>	24 ft. <sup>3</sup>	c	

Scoring: 0 = incorrect; 1 = correct

Item 9	Option:	A	B	C	Correct	Student Response
H - Here is a math problem with mixed numbers. (Point to student materials.) If you pick $2\frac{1}{2}$ baskets of apples and your friend picks $3\frac{1}{2}$ more, how many baskets do you have all together: 4, 5, or 6?		4	5	6	c	

Scoring: 0 = incorrect; 1 = correct

Item 10	Option:	A	B	C	Correct	Student Response
H - Here is the number 75 to the negative 2 power. (Point to student materials.) Does the power of negative two make 75 smaller, larger, or stay the same?		smaller	larger	same	a	

Scoring: 0 = incorrect; 1 = correct

Item 11	Option:	A	B	C	Correct	Student Response
H - Here are two similar triangles, triangle DEF and triangle WXY. (Point to student materials.) Because the triangles are similar and in the same orientation, their corresponding slopes are the same. Which line has the same slope as line DE: WY, WX, or YX?		$\overline{WY}$	$\overline{WX}$	$\overline{YX}$	b	

Scoring: 0 = incorrect; 1 = correct

Item 12	Option:	A	B	C	Correct	Student Response																																				
H - Here is a line graph and three output tables: A, B, and C. (Point to student materials). Which output table matches this line graph: A, B, or C?		<table border="1" style="margin: auto;"> <tr><th>X</th><th>Y</th></tr> <tr><td>2</td><td>7</td></tr> <tr><td>4</td><td>14</td></tr> <tr><td>6</td><td>21</td></tr> <tr><td>8</td><td>28</td></tr> <tr><td>10</td><td>35</td></tr> </table> A	X	Y	2	7	4	14	6	21	8	28	10	35	<table border="1" style="margin: auto;"> <tr><th>X</th><th>Y</th></tr> <tr><td>0</td><td>0</td></tr> <tr><td>3</td><td>5</td></tr> <tr><td>10</td><td>15</td></tr> <tr><td>15</td><td>22</td></tr> <tr><td>20</td><td>29</td></tr> </table> B	X	Y	0	0	3	5	10	15	15	22	20	29	<table border="1" style="margin: auto;"> <tr><th>X</th><th>Y</th></tr> <tr><td>3</td><td>13</td></tr> <tr><td>4</td><td>33</td></tr> <tr><td>5</td><td>53</td></tr> <tr><td>6</td><td>73</td></tr> <tr><td>7</td><td>93</td></tr> </table> C	X	Y	3	13	4	33	5	53	6	73	7	93	b	
X	Y																																									
2	7																																									
4	14																																									
6	21																																									
8	28																																									
10	35																																									
X	Y																																									
0	0																																									
3	5																																									
10	15																																									
15	22																																									
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X	Y																																									
3	13																																									
4	33																																									
5	53																																									
6	73																																									
7	93																																									

Scoring: 0 = incorrect; 1 = correct

Item 1

$$15^1 = \underline{\quad}?$$

A number to the first power equals itself. What is 15 to the first power?

$$15^1 = \underline{\quad}?$$

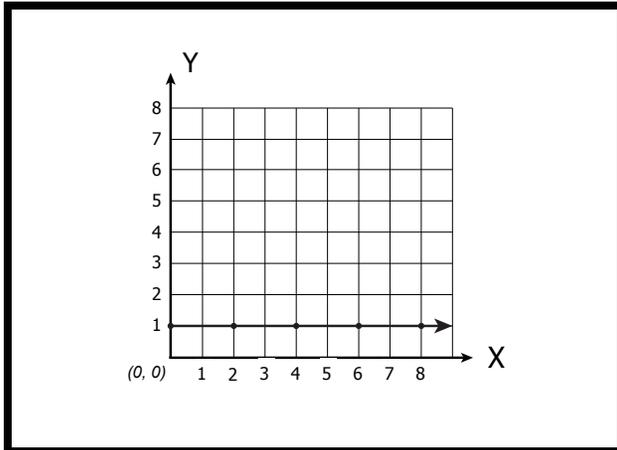
1

15

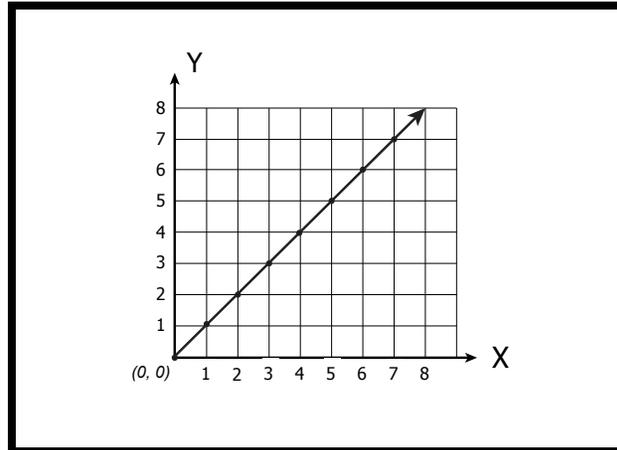
20

Item 2

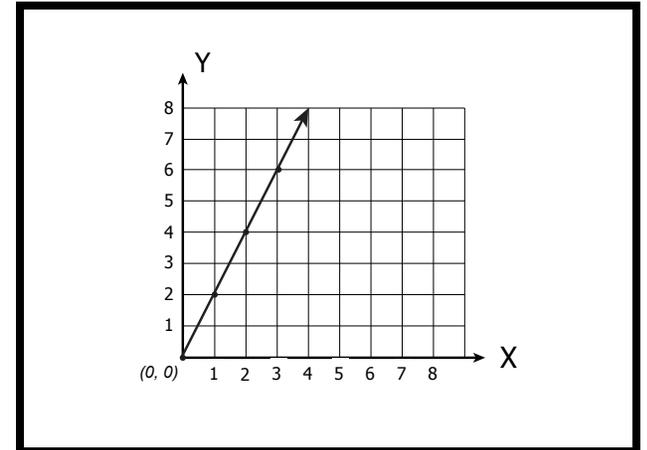
Which line has a slope of one up, one to the right?



A



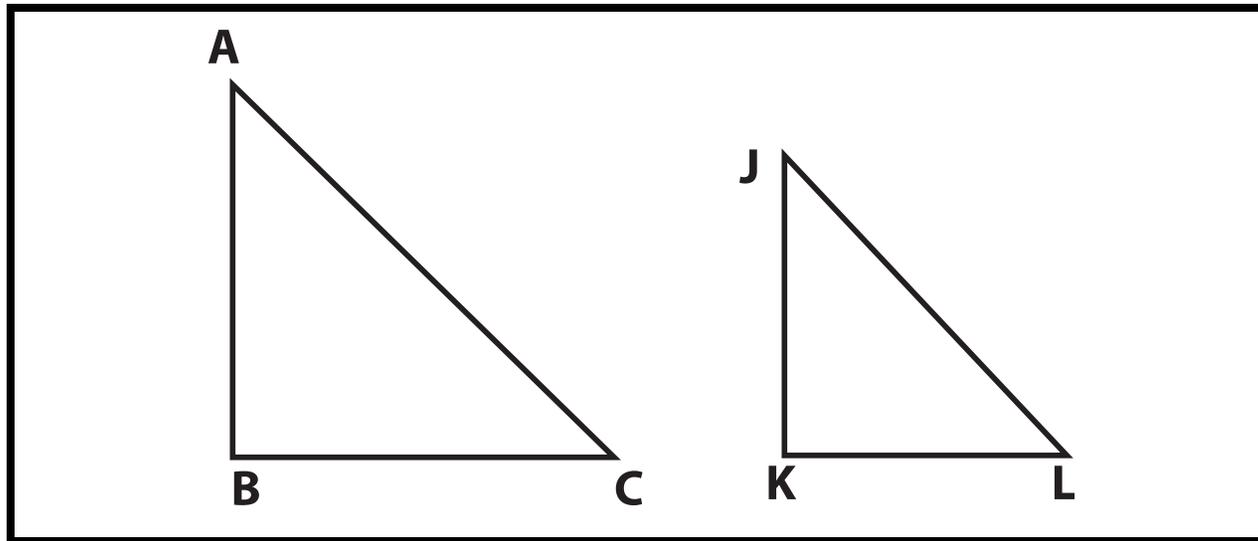
B



C

Item 3

Which line has the same slope as line JL?



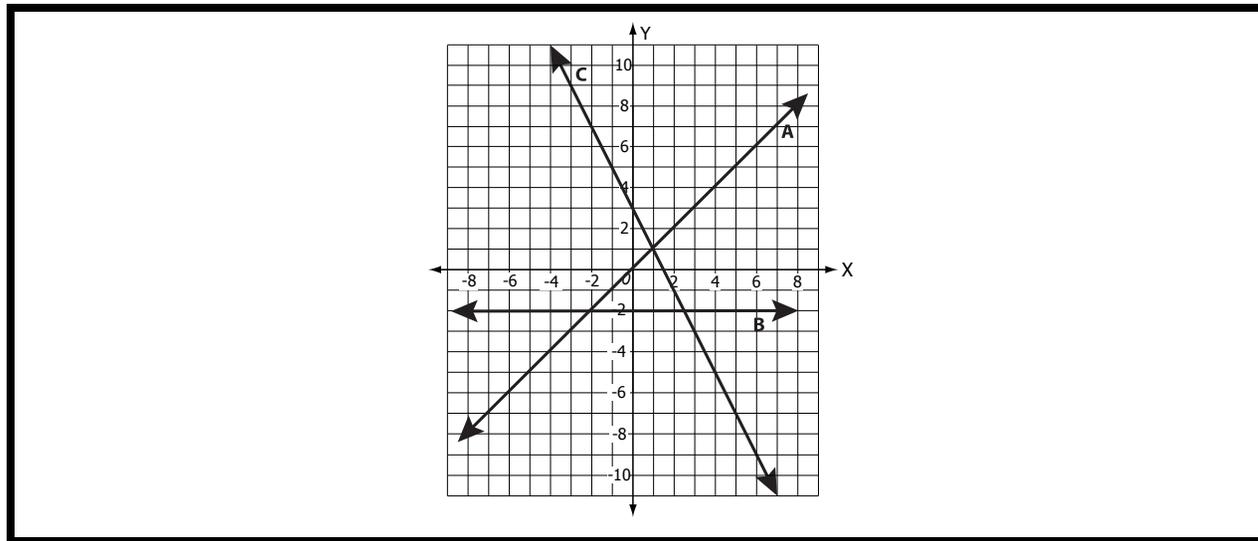
$\overline{BC}$

$\overline{AC}$

$\overline{AB}$

Item 4

Which line has positive slope?



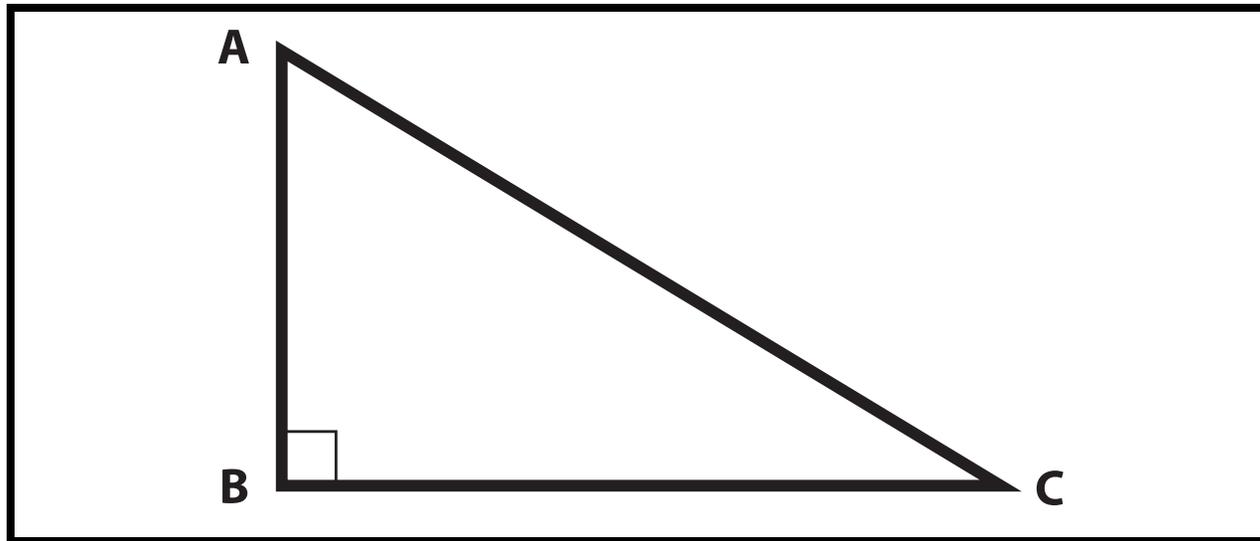
A

B

C

Item 5

Which line is the hypotenuse of triangle ABC?



$\overline{AB}$

$\overline{BC}$

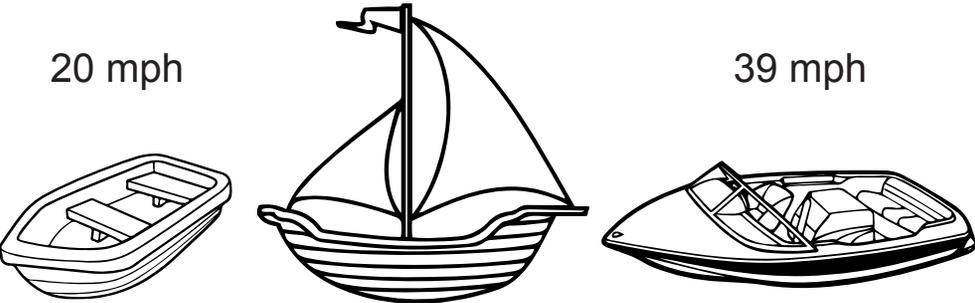
$\overline{CA}$

Which boat is going the fastest?

20 mph

21 mph

39 mph



**A**                      **B**                      **C**

A

B

C

Item 7

$$7x = 14$$

Seven times what number equals 14?

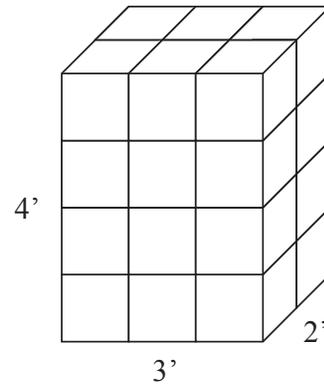
1

2

3

Item 8

How many cubic feet is this box?



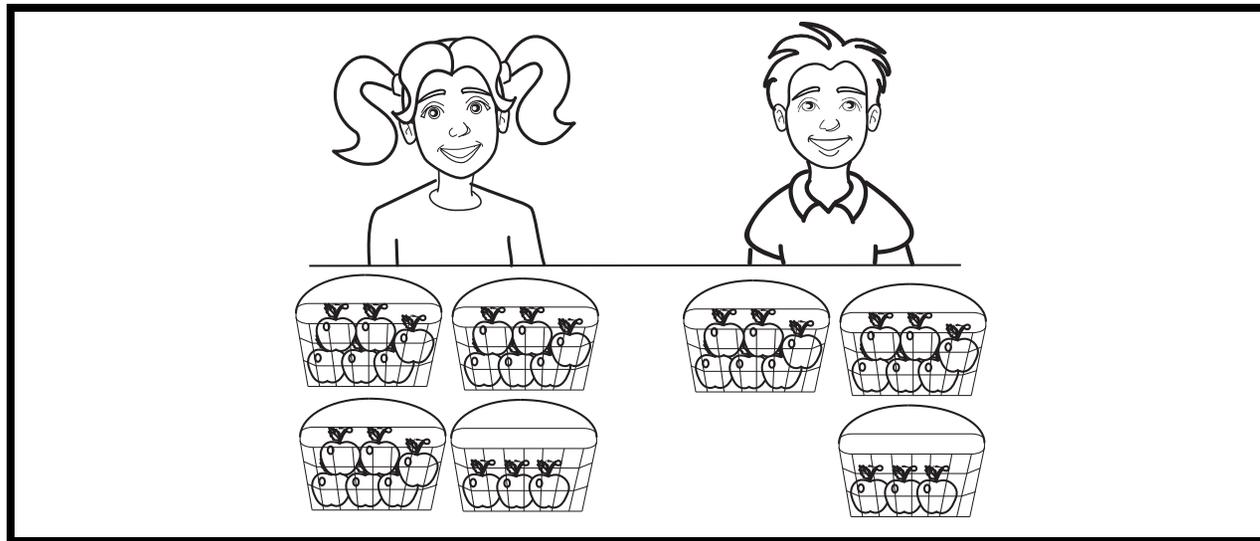
$$\text{Volume} = \text{Length} \times \text{Width} \times \text{Height}$$
$$(V = lwh)$$

20 ft.<sup>3</sup>

22 ft.<sup>3</sup>

24 ft.<sup>3</sup>

How many baskets do you have all together?



4

5

6

Item 10

$$75^{-2} < , > , \text{ or } = 75$$

Does the power of negative two make 75 smaller, larger, or stay the same?

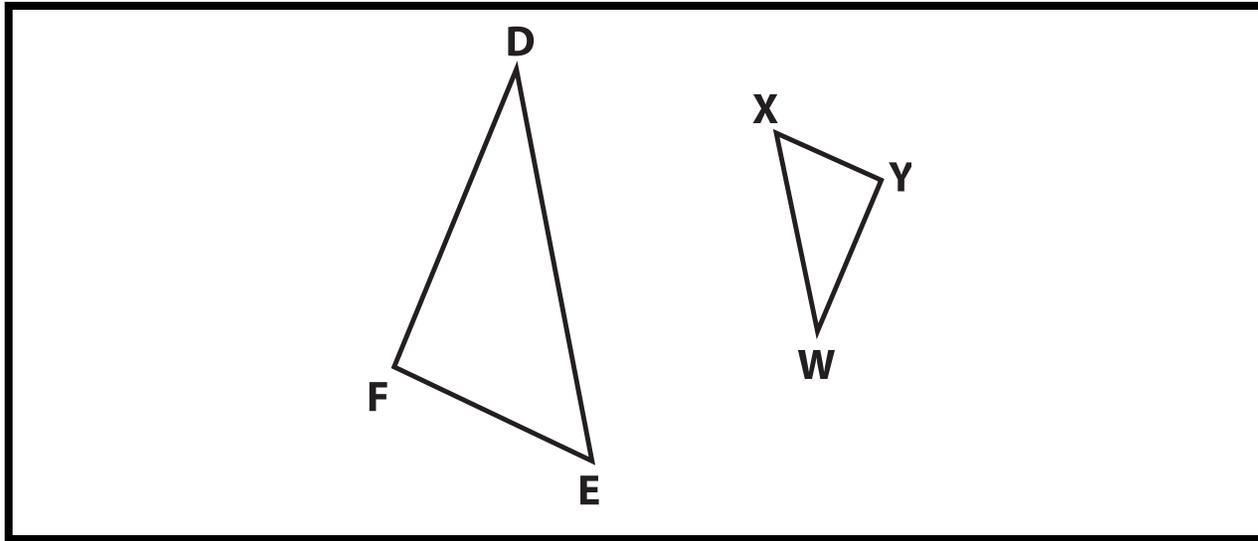
$$75^{-2} \boxed{< , > , \text{ or } =} 75$$

smaller

larger

same

Which line has the same slope as line DE?

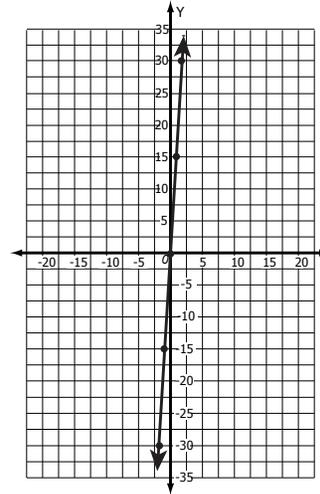


$\overline{WY}$

$\overline{WX}$

$\overline{YX}$

Which output table matches this line graph?



X	Y
2	7
4	14
6	21
8	28
10	35

A

X	Y
0	0
1	15
2	30
-1	-15
-2	-30

B

X	Y
3	13
4	33
5	53
6	73
7	93

C