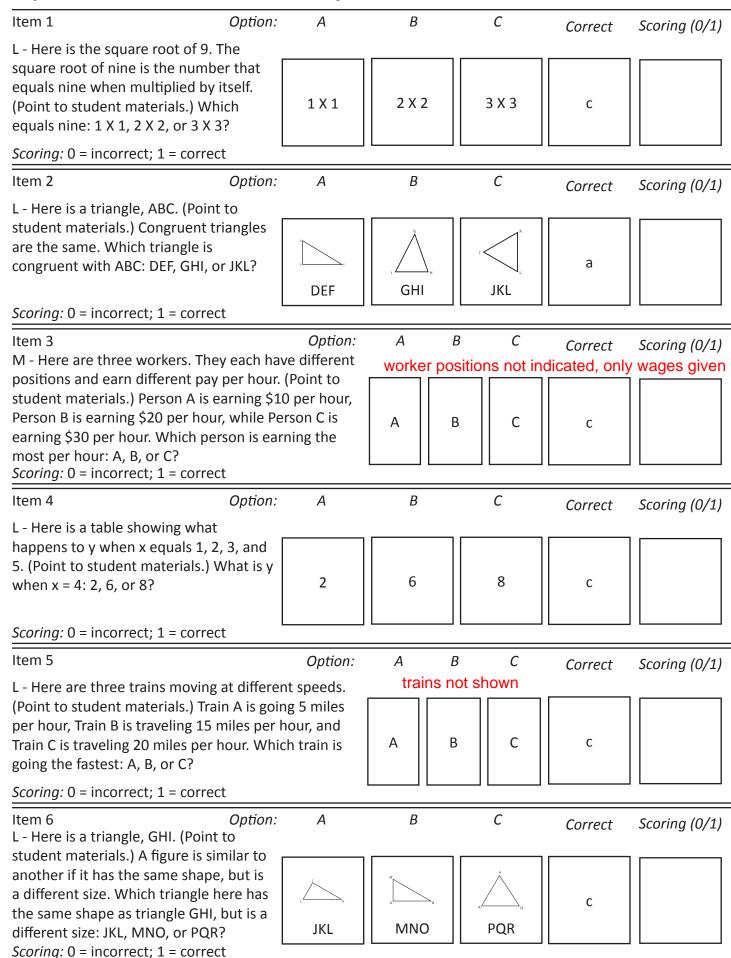
## **Mathematics**

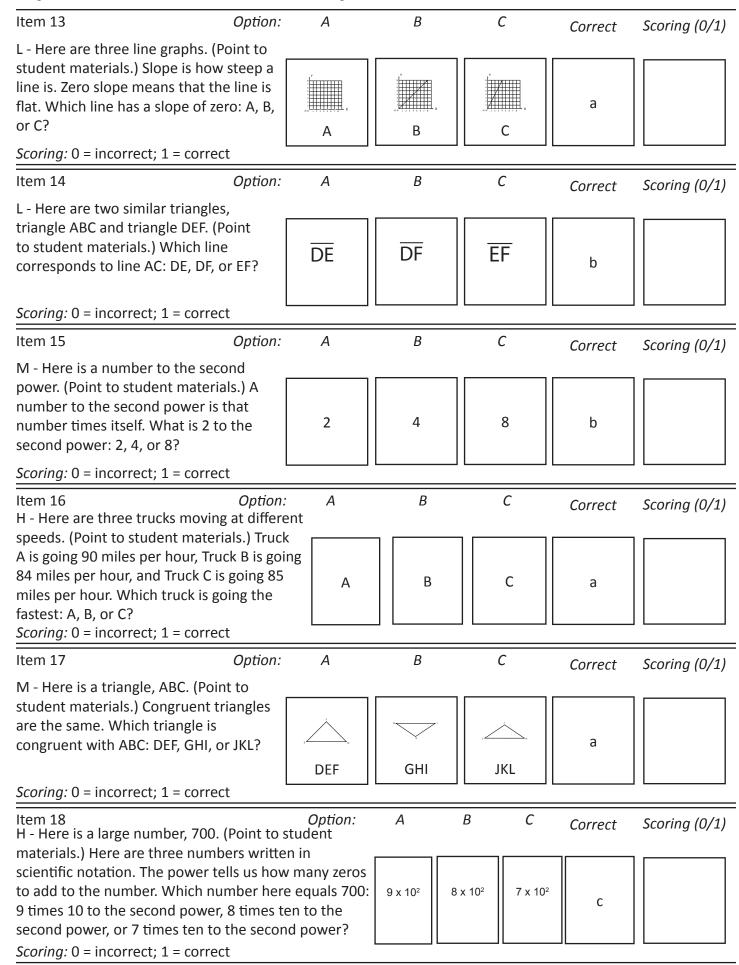
Grade 8

Scoring Protocol

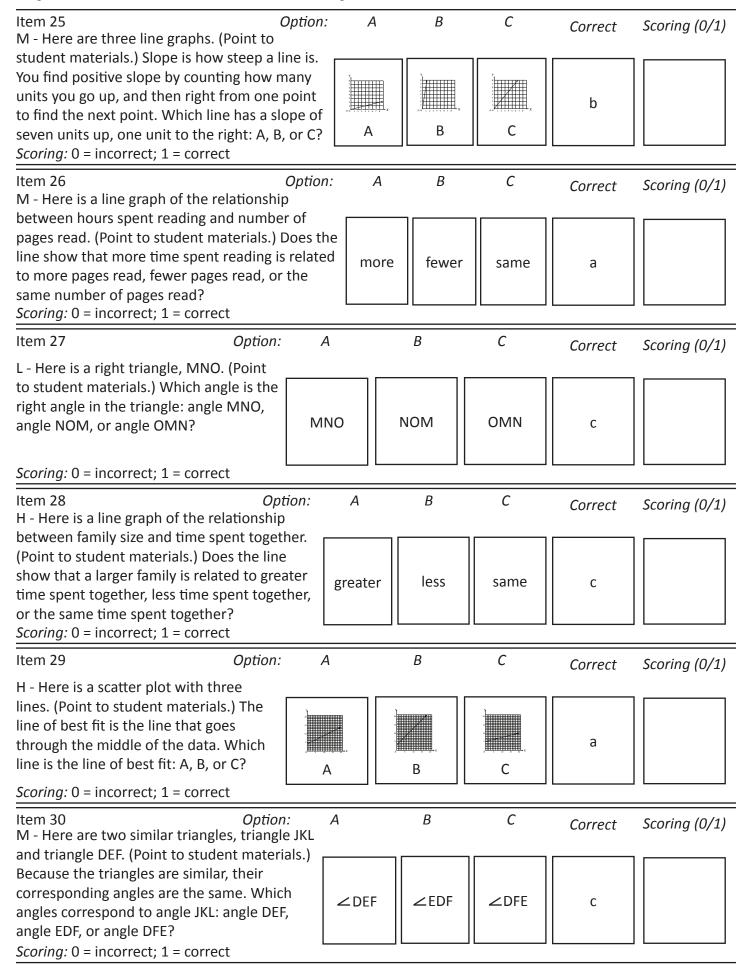
2017-2018



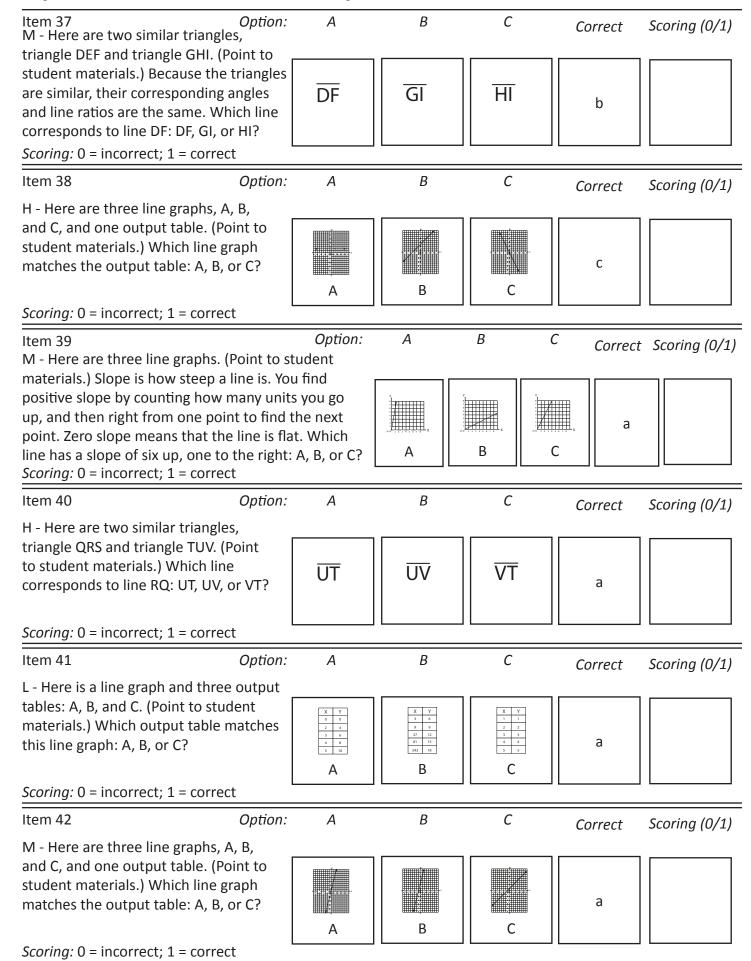
Item 7 Option	n: A	В	С	Correct	Scoring (0/1)
H - Here is a math problem. (Point to	frac	tion circle is			
student materials.) Cara had .50 of a cookie and Sally ate .40 of the whole cookie. How much cookie is left: .10, .20, or .30?	0.10	0.20	0.3	a	
Scoring: 0 = incorrect; 1 = correct					
Item 8 Option H - Here are three motorcycles moving different speeds. (Point to student mat	at	В	С	Correct	Scoring (0/1)
Motorcycle A is going 48 miles per hou Motorcycle B is going 49 miles per hou Motorcycle C is going 50 miles per hou motorcycle is going the slowest: A, B, o Scoring: 0 = incorrect; 1 = correct	r, and r. Which	В	С	a	
Item 9 Optio	n: A	В	С	Correct	Scoring (0/1)
H - Look at the table. (Point to student				Correct	3001ig (0, 1)
materials.) What is y when x = 12: 22, 24, or 26?	22	24	26	b	
Scoring: 0 = incorrect; 1 = correct					
Item 10 Option H - Here is a triangle, ABC. (Point to student materials.) A figure is similar to		В	С	Correct	Scoring (0/1)
another if it has the same shape, but is a different size. Which triangle here hat the same shape as triangle ABC, but is different size: A, B, or C?  Scoring: 0 = incorrect; 1 = correct	S	B	C	а	
Item 11 Option	n: A	В	С	Correct	Scoring (0/1)
H - Here are three lines. (Point to				Correct	Scoring (0/1)
student materials.) When a line has zer slope, it is flat. Which line has a zero slope: A, B, or C?	A A	В	С	С	
Scoring: 0 = incorrect; 1 = correct					
Item 12 Option	n: A	В	С	Correct	Scoring (0/1)
L - Here is a math problem. (Point to student materials.) Mark eats 1/2 of the sandwich and Bob eats 1/2 of the sandwich. How much of the sandwich i left: 0, 0.5, or 1?		picture is sho 0.5	own 1	a	
Scoring: 0 = incorrect; 1 = correct				<del></del>	



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Item 19	Option:	Α	В	С	Correct	Scoring (0/1)	
H - Here is a math problem winumbers. (Point to student mades) Jessie has 4 1/4 cookies and Ja 1/4 cookies. What is the total of cookies: 6, 7 1/2, or 8 1/2?	aterials.) ane has 4	6	7 1/2	8 1/2	С		
Scoring: 0 = incorrect; 1 = corr	ect						
Item 20	Option:	A the box is s	<i>B</i> shown without	C t interior unit	Correct t lines	Scoring (0/1)	
H - Here is a box that is 11 fee 2 feet wide, and 3 feet high. (I student materials.) How many is this box: 60, 66, 82?	Point to	60	66	82	b		
Scoring: 0 = incorrect; 1 = corr	ect				I L	J	
Item 21	Option:	Α	В	С	Correct	Scoring (0/1)	
L - Here are three lines. (Point student materials.) When slop positive, the line goes up to th Which line has positive slope:	oe is ne right.	А	В	С	b		
Scoring: 0 = incorrect; 1 = corr	ect						
Item 22	Option:	Α	В	С	Correct	Scoring (0/1)	
H - Here is a box that is 5 feet	•	the box is shown without inside unit lines					
feet wide, and 6 feet high. (Postudent materials.) How many is this box: 90, 100, or 110?		90	100	110	a		
Scoring: 0 = incorrect; 1 = corr	ect						
Item 23	Option:	Α	В	С	Correct	Scoring (0/1)	
M - Here is the number 35 to second power. (Point to stude materials.) Does the second p make 35 smaller, larger, or sta same?	nt ower	smaller	larger	same	b		
Scoring: 0 = incorrect; 1 = corr	ect					J []	
Item 24 H - Here is a line graph of the	-		В	С	Correct	Scoring (0/1)	
between hours of exercise and illnesses. (Point to student mather line show that getting more is related to increased illness, illness, or leaves illness the sa <i>Scoring:</i> 0 = incorrect; 1 = corr	nterials.) Doe re exercise decreased me?		ed decreased	same	b		



Mathemat	ics scoring Fro	ιστοι			2017-2018
Option:	Α	В	С	Correct	Scoring (0/1)
f your	0.5	1.0	2.0	a	
L					
Option:	Α	В	С	Correct	Scoring (0/1)
nt to aph	A			a	
L					
Option:	Α	В	С	Correct	Scoring (0/1)
er [	4	7	10	b	
L					
Option:	Α	В	С	Correct	Scoring (0/1)
is says	1	2	3	b	
Option:	Α	В	С	Correct	Scoring (0/1)
nuse is Which	ĪM A	MN B	LN c	С	
Option:	Α	В	С	Correct	Scoring (0/1)
oer,	1	2	3	С	
	Option: too f your have  Option: too aph r C?  Option: variable is says ber,  Option: variable is says ber,  Option:	Option: A  It to of your have 0.5  Option: A  B, nt to aph r C? A  Option: A  It to er elf: 4, 7, 4  Option: A  Variable his says aber, 1  Option: A  Option: A  Option: A  Option: A  Variable his says aber, 1  Option: A  Option: A  Option: A  Option: A  Option: A  Option: A  IM  Option: A  Option: A  Option: A  Option: A  Option: A	Option: A B B, nt to aph r C? A B  Option: A B at to er elf: 4, 7,  Option: A B  Option: A B	Option: A B C  It to of your have    Option: A B C  B, nt to eaph r C? A B C  Option: A B C  Option: A B C  It to er elf: 4, 7,     Option: A B C  Option: A B C	Option: A B C Correct it to fi your have



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H - Here is a line graph of the relations	•	Α	В	С	Correct	Scoring (0/1)
(Point to student materials.) Does the lashow that lower temperatures are relating an increase in hot chocolate sales, a definition hot chocolate sales, or the same?  Scoring: 0 = incorrect; 1 = correct	ine ted to	increa	se decrease	same	a	
Item 44 Option	on:	Α	В	С	Correct	Scoring (0/1)
M - Here are three lines. (Point to student materials.) When slope is negative the line goes down to the right Which line has a negative slope: A, B, CC?		A	В	С	a	
Scoring: 0 = incorrect; 1 = correct						
Item 45 Option H - Here is a right triangle. (Point to student materials.) The hypotenuse of		Α	В	С	Correct	Scoring (0/1)
triangle is calculated using the equatio $a^2 + b^2 = c^2$ . The side lengths of the triangle are 5 and 12. What is the length of the hypotenuse: 5, 13, or 21?  Scoring: 0 = incorrect; 1 = correct	n	5	13	21	b	
Item 46 Option	on:	Α	В	С	Correct	Scoring (0/1)
H - Here is an equation with the variab $x$ . (Point to student materials.) This say $6x + 4 = 10$ . Six times what number, plu four, equals ten: 1, 2, or 3?	'S	1	2	3	а	
Scoring: 0 = incorrect; 1 = correct		·				
Item 47 Optio	on:	Α	В	С	Correct	Scoring (0/1)
M - Here is a number line. (Point to student materials.) Where is the squar root of 49 on the number line: 7, 8, or 9?  Scoring: 0 = incorrect; 1 = correct	e	7	8	9	а	
Item 48 Optio		Α	В	С	Correct	Scoring (0/1)
H - Here is a number to the third power (Point to student materials.) A number to the third power is that number multiplied by itself twice. What is 5 to the third power: 50, 125, or 150?		50	125	150	b	
Scoring: 0 = incorrect; 1 = correct						