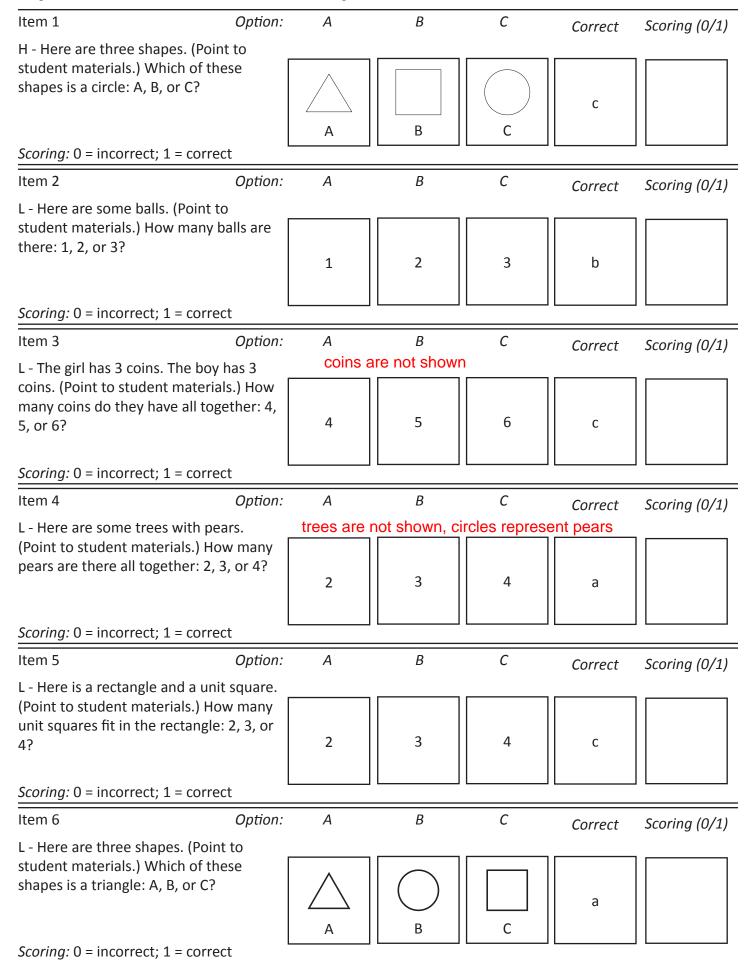
Mathematics

Grade 3

Scoring Protocol

2017-2018



Item 7	Option:	Α	В	С	Correct	Scoring (0/1)
H - Here are some unit squares. (It o student materials.) How many squares are there: 9, 10, or 18?		9	10	18	С	
Scoring: 0 = incorrect; 1 = correct						
Item 8	Option:	Α	В	С	Correct	Scoring (0/1)
M - Here is a clock. (Point to stude materials.) What time is it: 7:00, 8 10:00?	_	7:00	8:00	10:00	b	
Scoring: 0 = incorrect; 1 = correct					I L	
Item 9	Option:	Α	В	С	Correct	Scoring (0/1)
M - Here are some unit squares. (to student materials.) How many squares are there: 11, 12, or 14?	_	11	12	14	С	
Scoring: 0 = incorrect; 1 = correct	L					
Item 10 H - Here are 15 hats in three grou	Option:	A circle	B es represent h	Correct	Scoring (0/1)	
(Point to student materials.) How hats are in each group if you divide them into three groups: 4, 3, or 5	many le	4	3	5	С	
Scoring: 0 = incorrect; 1 = correct	L					
Item 11	Option:	Α	В	С	Correct	Scoring (0/1)
H - Here are some stars. (Point to	_	stars ar	e in boxes ra	ther than cir	cles	-
student materials). If Mike has for groups of three stars, how many states the have all together: 3, 12, compared to the start of the s	stars	3	12	6	b	
Scoring: 0 = incorrect; 1 = correct						
Item 12	Option:	Α	В	С	Correct	Scoring (0/1)
H - Here is a pattern of skip count 5's. (Point to student materials.) In number comes next: 20, 10, or 5? Scoring: 0 = incorrect; 1 = correct	What	20	10	5	а	

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Item 13	Option:	Α	В	С	Correct	Scoring (0/1)
H - Here is a square, with sm squares inside of it. (Point to materials.) How much of this shaded: half, whole, or none	student figure is	half (1/2)	whole (1)	none (0)	a	
Scoring: 0 = incorrect; 1 = co	rrect] []
Item 14	Option:	Α	В	С	Correct	Scoring (0/1)
H - Here is a pattern of skip of by two's. (Point to student m What number is missing: 10,	naterials.)	10	12	14	а	
Scoring: 0 = incorrect; 1 = co	rrect					
Item 15	Option:	A	B is not shown	C circles ren	Correct	Scoring (0/1)
L - This tree has some apples	`		TOURS TOWN	i, direles repi] [
student materials.) How many apples are there: 7, 8, or 9?	iy appies	7	8	9	b	
Scoring: 0 = incorrect; 1 = co	rrect					
Item 16	Option:	Α	В	С	Correct	Scoring (0/1)
H - Here is Dylan skip counti (Point to student materials.) Dylan's counting for him, 5, 1 what: 5, 15, or 20?	Finish 10, then	5	15	20	b	
Scoring: 0 = incorrect; 1 = co	rrect					
Item 17	Option:	Α	В	С	Correct	Scoring (0/1)
M - This shirt has 12 buttons	. (Point	the shirt is	not shown			
to student materials.) Six bublack. What portion of the bblack: 0, 1/2, or 1?		0	1/2	1	b	
Scoring: 0 = incorrect; 1 = co	rrect					
Item 18 M - Here is a picture graph t		A each set	B of six dots (a	C full cell) rep	Correct resents one	Scoring (0/1) cat on the gr
average number of cats that students have. (Point to students have). To teachers and students hand number of cats, do teachers do students have more? Scoring: 0 = incorrect; 1 = co	lent materials ve the same have more, o	Same	Teachers have more	Students have more	С	

Item 19	Option:	Α	В	С	Correct	Scoring (0/1)
L - Here is a rectangle with squares. (Point to student Three of the squares are s portion of the rectangle is 1/2, or 2?	: materials.) shaded. What	1	1/2	2	b	
Scoring: 0 = incorrect; 1 =	correct					
Item 20	Option:	Α	В	С	Correct	Scoring (0/1)
H - Here is a clock. (Point to materials.) It is Noon and (Point to student material answer shows what time in 11:00 AM, or 12:00 AM?	time for lunch. s.) Which	12:00 PM	11:00 AM	12:00 AM	а	
Scoring: 0 = incorrect; 1 =	correct					
Item 21	Option:	Α	В	С	Correct	Scoring (0/1)
L - Here is an addition pro represented by squares. (I student materials.) 5 + 4 is 4 + 5, 3 + 1, or 4 + 4?	Point to	4 + 5	3+1	4 + 4	a	
Scoring: 0 = incorrect; 1 =	correct					
Item 22 M - Here is a picture graph	Option: h that shows the	Α	В	С	Correct	Scoring (0/1)
number of ice creams solo		each set	of six dots (a	full cell) repr	esents one	ice cream cone
mamber of ice creams sold						
Monday and Tuesday. (Poi materials.) Did they sell th of ice creams on Monday more on Monday, or more	int to student ne same number and Tuesday, e on Tuesday?	the grid Same	more on Monday	more on Tuesday	С	
Monday and Tuesday. (Poi materials.) Did they sell th of ice creams on Monday more on Monday, or more Scoring: 0 = incorrect; 1 =	int to student ne same number and Tuesday, e on Tuesday? correct	Same	Monday	Tuesday		
Monday and Tuesday. (Poi materials.) Did they sell th of ice creams on Monday more on Monday, or more Scoring: 0 = incorrect; 1 =	int to student ne same number and Tuesday, e on Tuesday? correct Option:		11		c Correct	Scoring (0/1)
Monday and Tuesday. (Poimaterials.) Did they sell the of ice creams on Monday more on Monday, or more Scoring: 0 = incorrect; 1 = Item 23 L - Here are two ribbons a inches. (Point to student ribbon is shorter: A they the same?	int to student ne same number and Tuesday, e on Tuesday? correct Option: and a ruler with materials.)	Same	Monday	Tuesday		Scoring (0/1)
Monday and Tuesday. (Poimaterials.) Did they sell the of ice creams on Monday more on Monday, or more Scoring: 0 = incorrect; 1 = Item 23 L - Here are two ribbons a inches. (Point to student rowhich ribbon is shorter: A they the same?	int to student ne same number and Tuesday, e on Tuesday? correct Option: and a ruler with materials.) A, B, or are	Same	Monday B	Tuesday	Correct	Scoring (0/1)
Monday and Tuesday. (Poi materials.) Did they sell th of ice creams on Monday more on Monday, or more Scoring: 0 = incorrect; 1 = Item 23 L - Here are two ribbons a inches. (Point to student r Which ribbon is shorter: A they the same? Scoring: 0 = incorrect; 1 =	int to student ne same number and Tuesday, e on Tuesday? correct Option: and a ruler with materials.) A, B, or are	Same A A	B B	C Same	Correct	Scoring (0/1) Scoring (0/1)
Monday and Tuesday. (Poi materials.) Did they sell th of ice creams on Monday more on Monday, or more Scoring: 0 = incorrect; 1 = Item 23 L - Here are two ribbons a inches. (Point to student r Which ribbon is shorter: A	int to student ne same number and Tuesday, e on Tuesday? correct Option: and a ruler with materials.) A, B, or are correct Option: (Point to	Same A A	B B	C Same	Correct	
Monday and Tuesday. (Poi materials.) Did they sell the of ice creams on Monday more on Monday, or more Scoring: 0 = incorrect; 1 = Item 23 L - Here are two ribbons a inches. (Point to student r Which ribbon is shorter: A they the same? Scoring: 0 = incorrect; 1 = Item 24 M - Here are some bears. student materials.) How residue.	int to student ne same number and Tuesday, e on Tuesday? correct Option: and a ruler with materials.) A, B, or are Correct Option: (Point to nany bears are	A A circles re	B B Present bear	C Same	Correct	

3	3				
Item 25 Option: L - Here is a tile that is 2 inches by 2 inches. (Point to student materials.) To	Α	В	С	Correct	Scoring (0/1)
get area, we multiply the sides, 2 inches times 2 inches. What is the area of the tile: 3 square inches, 4 square inches, or 7 square inches? Scoring: 0 = incorrect; 1 = correct	3	4	7	b	
Item 26 Option:	A	В	С	Correct	Scoring (0/1)
H - This is the fraction 1/2. (Point			-	Correct	Scoring (0/1)
to student materials.) Which of the following fractions is the same as 1/2: 10/20, 11/14, or 7/20?	10/20	11/14	7/20	a	
Scoring: 0 = incorrect; 1 = correct					J L
Item 27 Option:	Α	В	С	Correct	Scoring (0/1)
M - Here is an addition problem					-
represented by dots. (Point to student materials.) 8 + 11 is the same as: 11 + 8, 7 + 8, or 7 + 11?	11 + 8	7 + 8	7+11	a	
Scoring: 0 = incorrect; 1 = correct					
Item 28 Option:	Α	В	С	Correct	Scoring (0/1)
H - Here is a multiplication problem.					
(Point to student materials.) 3 X 5= which number: 10, 15, or 20?	10	15	20	b	
Scoring: 0 = incorrect; 1 = correct					
Item 29 <i>Option:</i>	Α	В	С	Correct	Scoring (0/1)
L - Here are two fish tanks with water.					1
(Point to student materials.) Do the fish tanks have the same amount of water, does A have more, or does B have more?	Same	A has more water	B has more water	a	
Scoring: 0 = incorrect; 1 = correct					
Item 30 Option:	Α	В	С	Correct	Scoring (0/1)
M - This is the fraction 1/2. (Point to student materials.) Which of the following fractions is the same as 1/2: 1/12, 7/12, or 6/12?	1/12	7/12	6/12	С	
Scoring: 0 = incorrect; 1 = correct					

Item 31	Ontion		В	С		- (2/1)
	Option:	А	В	C	Correct	Scoring (0/1)
M - Here are some dots. (Point student materials.) If you have groups of five dots, how many have: 10, 15, or 20?	three	10	15	20	b	
Scoring: 0 = incorrect; 1 = corre	ect					
Item 32 H - Here is a triangle with equa		Α	В	С	Correct	Scoring (0/1)
(Point to student materials.) The perimeter is the distance around figure. What is the perimeter of triangle: 15 inches, 18 inches, 18 inches?	nd a of this or 13	15 inches	18 inches	13 inches	b	
Scoring: 0 = incorrect; 1 = corre						
Item 33	Option:	Α	В	С	Correct	Scoring (0/1)
M - Here is an addition probler represented by squares. (Point student materials.) 6 + 14 is the as: 14 + 6, 13 + 11, or 14 + 4?	to	14 + 6	13 + 11	14 + 4	a	
Scoring: 0 = incorrect; 1 = corre	ect					
Item 34	Option:	Α	В	С	Correct	Scoring (0/1)
H - Here are two ribbons and a ruler with inches. (Point to stude materials.) Which ribbon is shown are they the same?	dent	А	В	Same	b	
Scoring: 0 = incorrect; 1 = corre	ect					
Item 35	Option:	Α	В	С	Correct	Scoring (0/1)
H - Here is a multiplication pro	blem.					3 (-, ,
(Point to student materials.) 5 which number: 18, 12, or 20?		18	12	20	С	
Scoring: 0 = incorrect; 1 = corre	ect					
Item 36	Option:	Α	В	С	Correct	Scoring (0/1)
H - Here are 18 muffins. (Point student materials.) Nine of the nuts. What portion of the muff nuts: 1, 1/2, or 2? Scoring: 0 = incorrect; 1 = correct.	m have ins has	1	1/2	2	b	
coning. o micorrect, i com						

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Item 37	Option:	Α	В	С	Correct	Scoring (0/1)
H - Here is a tree with 10 pear	s. th	ne tree is no	t <u>shown, circ</u> l	les represent	pears	
Tommy picks 4 pears. (Point to materials.) How many pears a the tree: 8, 6, or 4?	student	8	6	4	b	
Scoring: 0 = incorrect; 1 = corr	ect					
Item 38	Option:	Α	В	С	Correct	Scoring (0/1)
H - Here is a square. (Point to materials.) The perimeter is th around a figure. What is the p of this square: 15 inches, 16 ir 17 inches?	ne distance erimeter	15 inches	16 inches	17 inches	b	
Scoring: 0 = incorrect; 1 = corr	ect					
Item 39	Option:	Α	В	С	Correct	Scoring (0/1)
L - Here are 4 dots in two grouto student materials.) How materials in each group: 2, 3, or 4?	. ` .	2	3	4	а	
Scoring: 0 = incorrect; 1 = corr	ect					
Item 40	Option:	Α	В	С	Correct	Scoring (0/1)
H - Here is a subtraction probl to student materials.) 12 - 10 : number: 9, 5, or 2?	` ,	9	5	2	С	
Scoring: 0 = incorrect; 1 = corr	ect					
Item 41	Option:	Α	В	С	Correct	Scoring (0/1)
L - Here are two cubes. (Point	to student	cuhes	<u>are represer</u>	nted with sim		
materials.) Are the cubes the sis A larger, or is B larger?	same size,	Same	A is larger	B is larger	a	
Scoring: 0 = incorrect; 1 = corr	ect					
Item 42 Op		A scissor	B s are not sho	<i>C</i> own, heavy li	Correct ne shows cu	Scoring (0/1) ut line
M - Here is a 6 inch rope that i						1
M - Here is a 6 inch rope that cut in half. (Point to student m How long will half of the rope inches, 3 inches, or 4 inches?	naterials.)	2 inches	3 inches	4 inches	b	

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Item 43	Option:	Α	В	С	Correct	Scoring (0/1)
H - Here are two ropes and a rul inches. (Point to student materix Which rope is shorter, A, B, or at the same?	als.)	A	В	Same	a	
Scoring: 0 = incorrect; 1 = correct	ct					J []
Item 44	Option:	Α	В	С	Correct	Scoring (0/1)
M - This is the fraction 1/2. (Pointo student materials.) Which of following fractions is the same a 12/14, 7/14, or 3/14?	the	12/14	7/14	3/14	b	
Scoring: 0 = incorrect; 1 = correct	ct					
Item 45	Option:	Α	В	С	Correct	Scoring (0/1)
H - Here is a square, with smalle squares inside of it. (Point to stu materials.) How much of this fig shaded: whole, half, or none?	ıdent	1	1/2	0	a	
Scoring: 0 = incorrect; 1 = correct	ct					
Item 46	Option:	Α	В	С	Correct	Scoring (0/1)
H - Here are two boxes and a rulinches. (Point to student material Which box is wider, A, B, or are same?	als.)	boxes are	represented B	by simple re	e <mark>ctangles</mark> a	
Scoring: 0 = incorrect; 1 = correct	ct] []
Item 47 M - Here is a triangle with equal		Α	В	С	Correct	Scoring (0/1)
(Point to student materials.) The perimeter is the distance around figure. What is the perimeter of triangle: 12 inches, 18 inches, or inches? Scoring: 0 = incorrect; 1 = correct	d a this r 9	12 inches	18 inches	9 inches	a	
Item 48	Option:		В		Correct	Scoring 10/11
L - Here are three number lines. to student materials.) Which ans B, or C, (point to answer choices point that is half way between 2	(Point swer, A, s) has a	71111111111111111111111111111111111111	**************************************	C	b	Scoring (0/1)
Scoring: 0 = incorrect; 1 = correct	^ †					