

Gra			Released Items Repository Item Key							
Gra		ILEARN Mathematics								
	ade	ltem	DOK	Standard (s)	Кеу					
7	7	1	1	MA.7.DSP.1 Calculator	А					
Sele	ect w	hich san	ple of st	udents the principal	should choose.					
	Stud scho		idomly se	elected from a list of	all students at the					
B	Stud	dents sitt	ing at ra	ndomly selected tab	les in the library.					
C	Stud	dents she	e selects	from the hallway be	tween classes.					
D	Stud	dents sel	ected by	the teachers.						



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	Released Items Repository Item Key								
ILEARN Mathematics									
Grade Item DOK Standard (s) Key									
7	2	1	MA.7.AF.1 Calculator	See Below					
	-3.75+2 7 <i>x</i> - 8.45 -1.7	2(-4x+) 2x + 8. -8x - 5 - 7.25	3.25 <i>x</i>	alent to					



		Releas	ed Items Repository Item ILEARN Mathematics	Кеу				
Grade Item DOK Standard (s) Key								
7	3	1	MA.7.AF.1 Calculator	-13.78				
	3.78 → ◆) () 2	ent to 5.3(4 <i>x</i> –	· 2.6).				
4		5	6					
7 8 9								
	0							



		Release	d Items Repository Item Key ILEARN Mathematics					
Grade Item DOK Standard (s) Key								
7	See B	elow						
				True	False			
It is in select	•	that a gro	een marble will be	True	False			
select	ed. Inlikely the		een marble will be w marble will be		False			
select It is u select	ed. Inlikely the ed.	at a yellov						

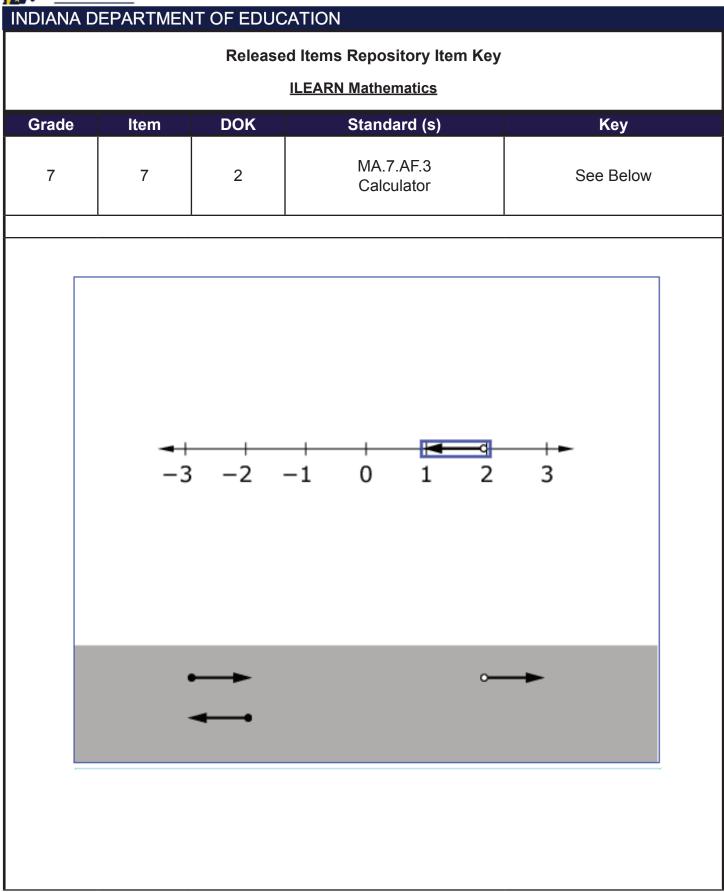


		IT OF EDU Relea		s Reposito N Mathema	-	ey				
Grade	Grade Item DOK Standard (s) Key									
7	5	1		MA.7.G Calcula			21.75 or 21 3/4			
Enter	r the val			re A on	to Figu	ire B is	5 1:7 <u>1</u> .			
(+)	(\rightarrow)	(*)								
•	$\overline{\mathbf{O}}$			[]						
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 1 4 	 ◆ ◆	3 6		- _	*	÷	>			
			+	- 	* = ()		> π			



			d Items Repository Item Key ILEARN Mathematics			
Grade	ltem	DOK	Standard (s)		Key	,
7	6	2	MA.7.AF.8 Calculator		See Be	low
					True	False
	•	es 4 gallo 000 hour	ns of water when it is s.	in		
Point <i>W</i> represents the number of gallons of water used when the factory is in operation for 7 hours.						
The fa	•	es 9000 g for 9 hou	allons of water when	it		







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	Released Items Repository Item Key								
ILEARN Mathematics									
Grade Item DOK Standard (s) Key									
7	7 8 2			A.7.GM.6 alculator	Part A: 100 Part B: 96				
	A 10 B 96								
1		2	3						
4		5	6						
7		8	9						
0		•	-						



Released Items Repository Item Key ILEARN Mathematics						
Grade	ltem	DOK	Standard (s)	Key		
7	9	2	MA.7.C.1 and MA.7.C.2 Non-calculator	See Below		

Expression	< 0	= 0	> 0
a – b			
a + b			
b – c			
c – a			
a + c			



INDIANA D	NDIANA DEPARTMENT OF EDUCATION							
		Release	ed Items Repository Item Key					
	ILEARN Mathematics							
Grade	ltem	DOK	Standard (s)	Кеу				
7	10	2	MA.7.C.5 Calculator	See Rubric				
increasing answer.	g her rate of	f speed? Sho	m., can Emily make it to scho w and/or explain the work ne	ecessary to support your				
				# Words 0/4000, # Chars 0/20000				



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Grade	ltem	DOK	Standard (s)	Key		
7	Exemplar and Rubric for Item 10	2	MA.7.C.5	See Below		

Sample Exemplar Responses: (3 points)

Exemplar 1: Emily can travel 3/4 mile in under 5 minutes, so she can travel 3 miles (4x as far) in under 20 minutes (4x as long.) This means that Emily will have traveled 3 miles before 8:45 (20 minutes after she left). Then there is only .42 miles left to go, and since .42 miles is less than 3/4 mile, we know she can cover that distance in less than 5 minutes. That means she will get to school before 8:50, so she will be on time.

Exemplar 2: Emily travels 3/4 mile in 4.5 minutes, so to find her rate of travel we would divide time by distance and get (4.5) / (.75) = 6 minutes per mile. Multiply 6 minutes per mile times the distance she has to travel (3.42 miles) to find the time it would take for her to get to school (20.52). Since 20.52 is less than 21 minutes, we know it will take her less than 21 minutes to get to school. 8:25 + 21 minutes is 8:46, which is before 8:50, so she will make it to school on time.

Rubric: (3 points) The student determines that Emily can make it to school on time at her current rate of speed and includes a valid explanation containing a full chain of reasoning that supports this conclusion. The student may make minor computation errors that do not affect the reasonableness of the explanation.

(2 points) The student determines that Emily can make it to school on time at her current rate of speed and includes a valid explanation containing an incomplete chain of reasoning that supports this conclusion. (An incomplete chain of reasoning can be defined by missing process steps or unsupported calculations in an otherwise complete chain of reasoning.)

OR

The student determines that Emily can make it to school on time at her current rate of speed and includes a valid explanation containing a full chain of reasoning that supports this conclusion, but makes computation errors that affect the reasonableness of the explanation.

(1 point) The student completes the task and reaches a conclusion. The student's explanation attempts to relate distance to time, but contains errors in fundamental mathematical procedures.

(0 points) The student demonstrates a lack of comprehension in regard to the mathematical content and practices essential to the task.



Assessing Student R		IT OF EDUC	CATION			
Released Items Repository Item Key ILEARN Mathematics Performance Task						
Grade	ltem	DOK	Standard (s)	Кеу		
7	1	2	PS.1 Calculator	1 cup is 14 cm tall with explanation		
height			? Explain how you d	English \$Ω		



INDIANA DEPARTMENT OF EDUCATION Released Items Repository Item Key ILEARN Mathematics Performance Task							
Grade	ltem	DOK	Standard (s)	Кеу			
7	Rubric for Item 1	2	PS.1	See Below			
Rubric:							

2 points: Student correctly calculates the height of one cup and provides a mathematically logical explanation as to how he/she calculated the height.

1 point: Student correctly calculates the height of one cup and provides an explanation that is not mathematically logical OR the student **only** calculates the height of a single cup.

0 points: All other responses



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Released Items Repository Item Key								
ILEARN Mathematics Performance Task								
Grade	Grade Item DOK Standard (s) Key							
7	Exemplars for Item 1	2	PS.1	See Below				
1 cup is cm is ad stacked, SCORE POINT	B I U I _x IIII IIII IIIIIIIIIIIIIIIIIIIIIIII							
and 14	B I U I _x := := := := := := := := : Ω 14 cm. It looks like the top ridge is 2cm. So I subtracted 2 cm from 16cm and 14cm SCORE POINT							
The student states the correct height for the cup but does not provide a mathematically logical solution, and instead states, "It looks like the top ridge is 2cm."								
	8 cm. If two are 16, divide by two to get the size of one.							
	SCORE POINT O Student incorrectly states the height and provides a mathematically incorrect approach for solving the problem.							



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ILEARN Mathematics Performance Task								
Grade	ltem	DOK	St	andard (s)		Key	
7	2	2			h=2n+1 or equiva	,		
Write an equation expressing the relationship between the height of the stack and the number of cups in the stack. Let <i>h</i> represent the height of the stack, in cm, and <i>n</i> the number of cups in the stack. h=2n+12								
$\bullet \bullet \bullet \bullet \bullet$								
1 2 3 <i>h n</i>								
4	5	6 +	_	*	•••			
7	8	9 <	_ ≤	=	2	>		
0	•	-		()		$\sqrt{\Box}$	V□	π



Released Items Repository Item Key							
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ILEARN Mathematics Performance Task							
Grade Item DOK Standard (s) Key							
7 3 2 PS.3 Calculator See Rub	bric						



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ILEARN Mathematics Performance Task

Grade	ltem	DOK	Standard (s)	Кеу
7	3	2	PS.3	See Rubric

Rubric:

2 points: Student agrees with Lori and provides a valid mathematical explanation as to why a stack of cups could not reach 95 cm. For example, students could attend to the fact that all stacks are an even number of centimeters, or that when they plug in 95 for **h** to solve for **n**, it yields a non-whole number.

1 point: Student agrees with Lori, but provides a mathematical explanation that is incomplete.

0 points: Student disagrees with Lori, OR agrees with Lori, but does not offer any explanation for why.



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ILEARN Mathematics Performance Task							
Grade	ltem	DOK	Standard (s)	Кеу			
7	4	3	PS.4 Calculator	See Rubric			
them. Y 10 cups Describe	Your class wants to sell School Spirit Cups with the school logo on them. Your teacher asks you to design this new cup such that a stack of 10 cups will be 125 cm tall. Describe key measurements of the School Spirit Cups and explain how they will meet the required specifications.						
	they will meet the required specifications.						



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ILEARN Mathematics Performance Task

Grade	ltem	DOK	Standard (s)	Кеу
7	Rubric for Item 4	3	PS.4	See Below

Rubric:

2 points: Student describes the key dimensions of the cup (height of cup, height of lip (if necessary)) and explains how 10 cups will reach a height of exactly 125 cm.

1 point: Student describes the key dimensions of the cup (height of cup, height of lip (if necessary)) that would satisfy the constraints, but does not explain how 10 cups will reach a height of exactly 125 cm.

0 points: Student does not describe key dimensions that would satisfy the constraints.



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Grade	Grade Item DOK Standard (s) Key							
7	Exemplars for Item 4 3		PS.4	See Below				
10 The base of the lip SCORE POINT The student dimensions	10 cm lips with 25 cm base is 35 cm tall each The base of the cup is 25 cm, then 10 x 10cm for the lips will be 100cm for all of the lips. 100 +25 is 125 for the whole stack. SCORE POINT The student provides the key measurements of the cup ("lips" and "base") and describes how these dimensions meet the required specifications. B I U I $= = = = = = = = = = = = = = = = = = $							
To make the cups how Karmin wants them to be, you would make the cups 12.5 cm tall and it would make a stack of 10 at 125cm tall. SCORE POINT The student partially explains the dimensions but fails to explain how they will meet the required specifications. BIUIR :::::::::::::::::::::::::::::::::::								