Content Standard MAFS.6.RP Ratios and Proportional Relationships.				
	MAFS.6.RP.1 Understand ratio concepts and use ratio reasoning to solve problems.			
	 MAFS.6.RP.1.3 Use ratio and rate reasoning to solve real-world and mathematical problems, e.g., by reasoning about tables of equivalent ratios, tape diagrams, double number line diagrams, or equations. MAFS.6.RP.1.3a Make tables of equivalent ratios relating quantities with wholenumber measurements, find missing values in the tables, and plot the pairs of values on the coordinate plane. Use tables to compare ratios. MAFS.6.RP.1.3b Solve unit rate problems including those involving unit pricing and constant speed. For example, if it took 7 hours to mow 4 lawns, then at that rate, how many lawns could be mowed in 35 hours? At what rate were lawns being mowed? MAFS.6.RP.1.3c Find a percent of a quantity as a rate per 100 (e.g., 30% of a quantity means 30/100 times the quantity); solve problems involving finding the whole, given a part and the percent. 			
	MAFS.6.RP.1.3d Use ratio reasoning to convert measurement units; manipulate and transform units appropriately when multiplying or dividing quantities.MAFS.6.RP.1.3e Understand the concept of Pi as the ratio of the circumference of a circle to its diameter.			
Assessment Limits	Rates can be expressed as fractions, with ":" or with words. Units may be the same or different across the two quantities. Percent found as a rate per 100. Quadrant I only for MAFS.6.RP.1.3a.			
Calculator	No			
Item Types	Equation Editor GRID Multiple Choice Table Item			
Context	Allowable			
Sample Item		Item Type		
Tom knows that in his school 10 out of every 85 students are left-handed. There are 391 students in Tom's school.		Equation Editor		
How many students in Tom's school are left-handed?				
The standard length of film on a film reel is 300 meters. On the first day of shooting a movie, a director uses 30% of the film on one reel. How long is the strip of film that was used?				

Sample Item			Item Type
A paint mixture uses a specific blue to green ratio.		Table Item	
Complete th	ne table usinį	g the ratio given.	
Paint N	/lixture		
Blue	Green		
Paint	Paint		
2	5		
4			
6			
A table of equivalent ratios is shown.			GRID
Ratios	7		
2 20			
4 40			
6 60 8 80			
0 00			
Use the Add	Point tool to	o plot these points on the coordinate grid.	
y A			
10 T			
8			
7 6			
5 +			
3 +			
2 +			
0		x	
	40 50 60 70 80 9	0 100	
In a circle, which ratio is equivalent to π ?		Multiple Choice	
(A) radius to area			
® diameter to radius			
© area to circumference			
© circum			
			I