

1.7 Solving Ratio and Rates Problems (6.RP.3 and 6.RP.3b)

1	Two Methods
J	•Use a bar diagram # Make Sure labels
	o Draw à réctangle
	 Split the rectangle into equal section Determine how many items go in each section.
7	
Z	Ouse equivalent fractions Output Multiply or divide by the same number. —Scaling (Simplify first) Output Trates Output Trates
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انت	ded Constine
	ded Practice ermine if each pair of ratios or rates is <u>equivalent</u> . Explain your reasoning.
	 Out of 30 students surveyed, 17 have a dog. Based on these results, predict how many of the 300 students in the school have a dog.
	17 dog > 170 dog 170 students
	30 stud. 300 stud. have a
	2) If one out of 12 students share a looken how many share a looken in a school of (E) atudents?
4	2.) If one out of 12 students share a locker, how many share a locker in a school of 456 students?
	1 share 38 shafe 38 students sha
	12 stud. 38 45 le stud. a locker
	× 2
	3.) Sabrina jogged 2 miles in 30 minutes. At this rate, how far would she jog in 90 minutes? At what rate did she jog each hour?
	2 miles x3 le min 4 miles
	1.A main
	30 min 3 90 min leo min
	x27 (I nour)
	4.) There are 810 calories in 3 scoops of vanilla ice cream. How many calories are there in 7 scoops of ice creams?
	810 cal 3 270 cal 1890 cal
	of scoops is (Simplify)
Buil	ding on the Essential Question - What are some ways to solve ratio problems?
	Scaling Emight hua to

YES (?) NO