Math 7 Divisibility Rules Quiz

1) Write the numbers 0, 2, 3, 4, 5, 6, 8, or 9 next to the correct divisibility rule.

Divisible by:	**Divisibility Rule:**
	Add up all the digits and divide by 3.
	The last 3 digits are divisible by 8.
	The last digit is even: 2, 4, 6, 8, or 0.
	The last 2 digits are divisible by 4.
	Add up all the digits and divide by 9.
	No number is divisible by it – it is not possible.
	The last digit is a 5 or 0.
	This number is divisible by both 2 and 3.

2) a. Circle the numbers that are divisible by 2 and by 3 (both, not just one).

606 330 501 2466 492 9342

b. Which of these numbers are also divisible by 6? _____

3) Show your work and circle your yes or no answer.

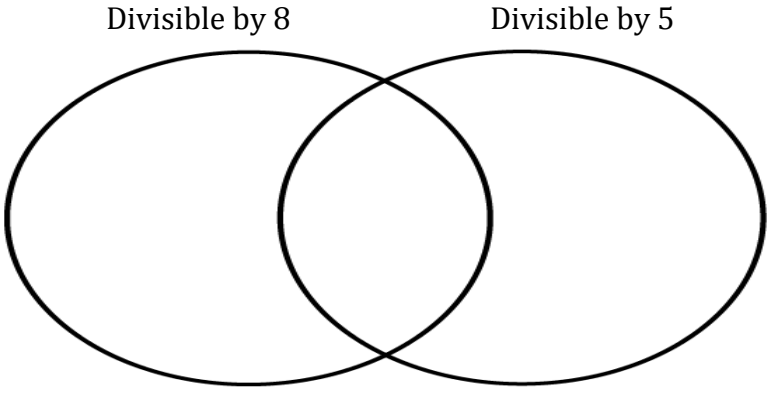
a. Is 396 divisible by 9?
Work:
Answer: Yes / No

b. Is 582 divisible by 9?
Work:
Answer: Yes / No

c. Is 794 divisible by 4?
Work:
Answer: Yes / No

d. Is 180 divisible by 4?
Work:
Answer: Yes / No

4) Place the numbers 244, 160, 315, 608 in the correct place in the Venn diagram or outside the Venn diagram if they do not work.



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Bonus: Write a word problem for the divisibility rule for 0

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