














Nightmare Number Patterns

Figure out what whole number or fraction is multiplied or divided to get the next number in the pattern. Write the number pattern in the pumpkin next to each line and then use it to fill in the missing numbers.

	1.	324	108	36	12	4	$\frac{4}{3}$	$\frac{4}{9}$	$\frac{4}{27}$
	2.	$\frac{3}{25}$	$\frac{3}{5}$	3	15	75	375	1875	9375
	3.	$\frac{3}{4}$	$\frac{3}{2}$	3	6	12	24	48	96
	4.	1458	486	162	54	18	6	2	$\frac{2}{3}$
	5.	1	3	9	27	81	243	729	2187
	6.	6	24	96	384	1536	6144	24,576	98,304
	7.	224	112	56	28	14	7	$\frac{7}{2}$	$\frac{7}{4}$
	8.	$\frac{2673}{2}$	891	594	396	264	176	$\frac{352}{3}$	$\frac{704}{9}$
	9.	31,232	7808	1952	488	122	$\frac{61}{2}$	$\frac{61}{8}$	$\frac{61}{32}$
	10.	21,875	4375	875	175	35	7	$\frac{7}{5}$	$\frac{7}{25}$
	11.	$\frac{9}{2}$	9	18	36	72	144	288	576
	12.	$\frac{64}{25}$	$\frac{16}{5}$	4	5	$\frac{25}{4}$	$\frac{125}{16}$	$\frac{625}{64}$	$\frac{3125}{256}$
	13.	$\frac{2}{3}$	2	6	18	54	162	486	1458