Musical fractions

- Fractions
- Measuring volume

What you need……

The children calculate the volume of each glass.

Glass 1	8/8	280 ml
Glass 2	7/8	245 ml
Glass 3	6/8	210 ml
...		

Glass 8	1/8	35 ml

They mark each glass

They add food coloring…

With a teaspoon they slightly strike the higher edge of the glasses

The fraction of water in each glass produces a different pitch

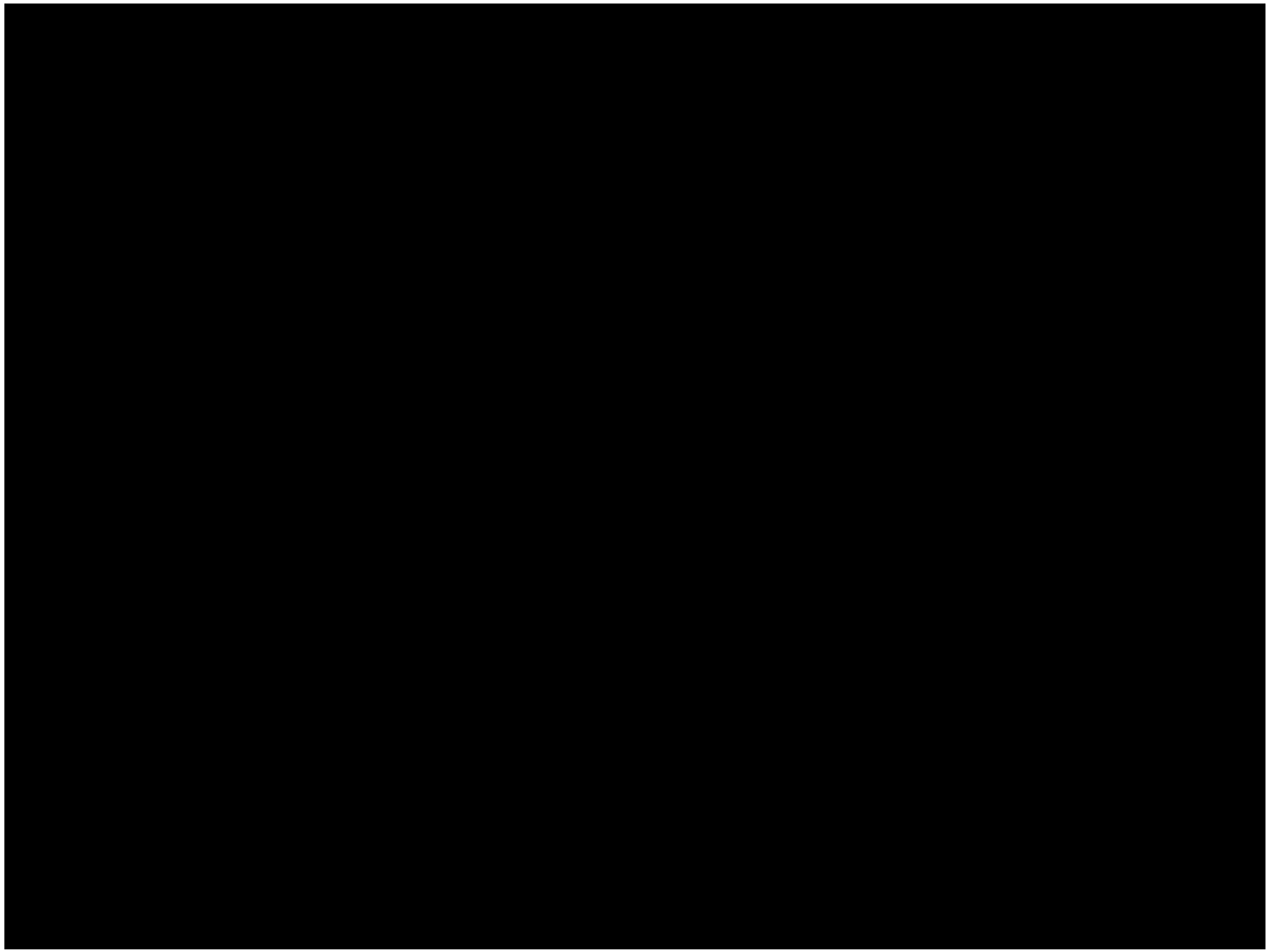
The glass with the most water = **SLOWEST** sound wave

= **LOWEST** PITCH

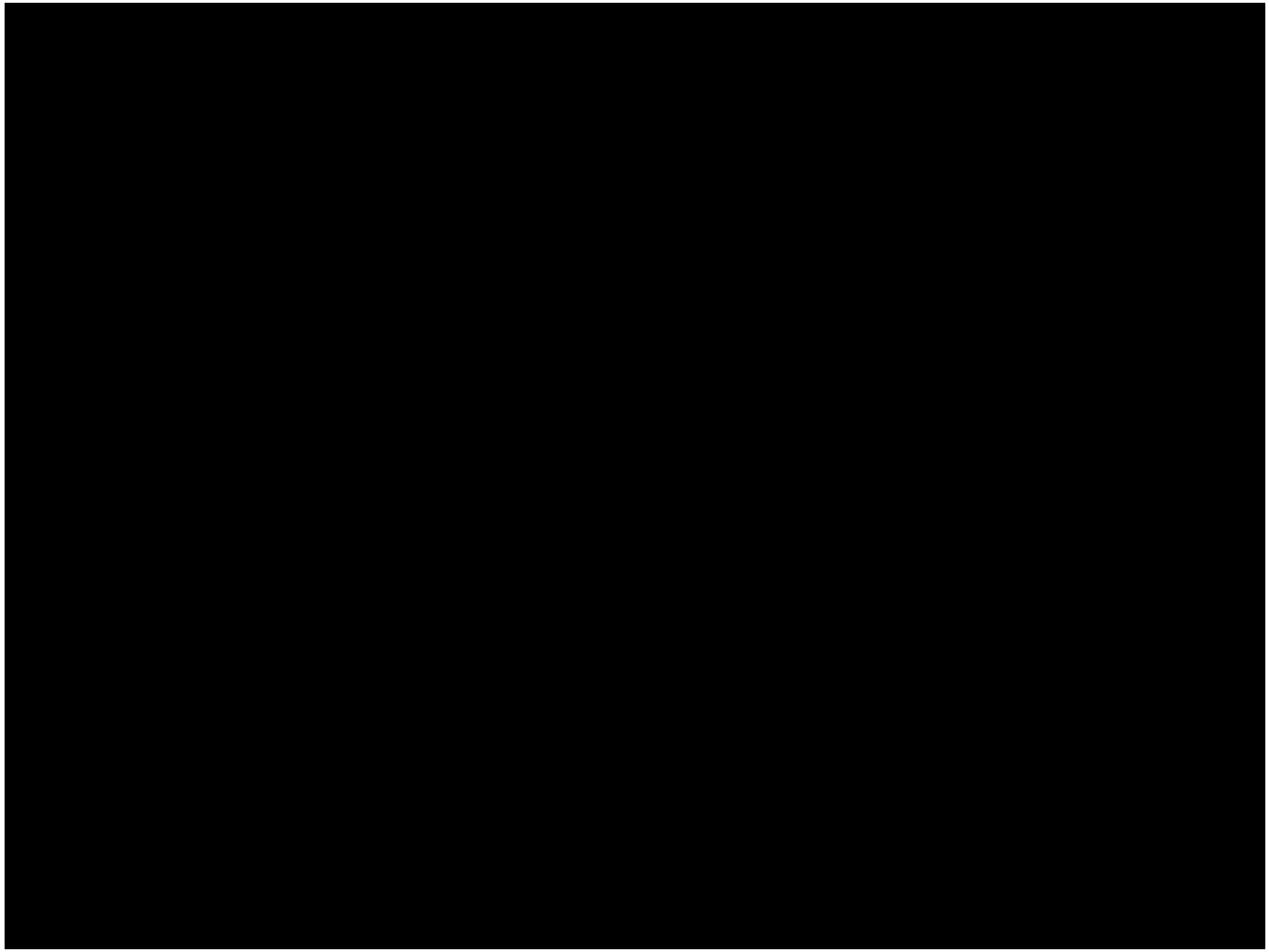
It was difficult for them to divide 280 by 8.

…So we used 200ml glasses an devided by 4! (videos)

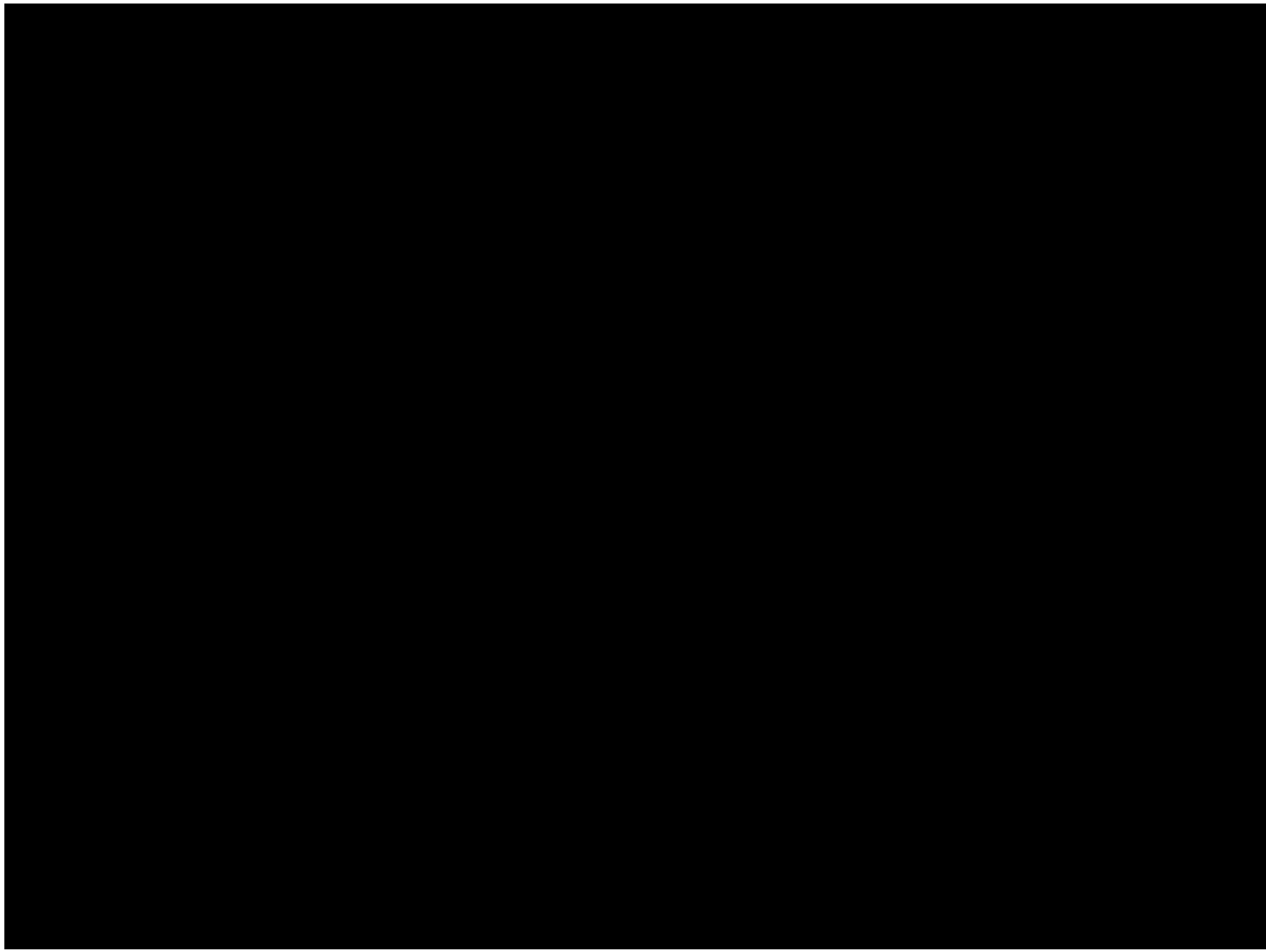
1/The pupils have measured the volume of one glass (4/4) so they can calculate the volume of the other glasses !



2/They mark each glass and put the required volume of water into them.



3/They add food coloring



4/With a teaspoon they slightly strike the higher edge of the glasses:

the fraction of water in each glass produces a different pitch.