

February 3rd

Find a number whose double exceeds its half by 99.

If the number is x

then the double is $2x$

and its half is $\frac{1}{2}x$

Hence $2x - \frac{1}{2}x = 99$

$$1\frac{1}{2}x = 99$$

$$x = 99 \div 1\frac{1}{2} = \mathbf{66}$$