

Answer on Question #63730 – Math – Algebra

Question

What is four and one third divided by 13?

Solution

Method 1

$$4\frac{1}{3} \div 13 = \frac{4 \times 3 + 1}{3} : 13 = \frac{13}{3} \times \frac{1}{13} =$$

*= |cancel 13 both in the numerator of the first factor and
in the denominator of the second factor | =*

$$= \frac{1}{3}.$$

Method 2

$$4\frac{1}{3} \div 13 = \frac{4 \times 3 + 1}{3} : 13 = \frac{13}{3} \times \frac{1}{13} = \frac{13 \times 1}{3 \times 13} =$$

= |divide both the numerator and the denominator by 13| =

$$= \frac{1}{3}.$$

Answer: $\frac{1}{3}$.