$$ax = b$$





$$ax = b$$



$$ax = b$$

•
$$a \neq 0$$

$$ax = b$$

$$a \neq 0$$

$$ax \times \frac{1}{a} = b \times \frac{1}{a}$$

$$ax = b$$

$$a \neq 0$$

$$ax \times \frac{1}{a} = b \times \frac{1}{a}$$

$$x = \frac{b}{a}$$

$$ax = b$$

$$a \neq 0$$

$$ax \times \frac{1}{a} = b \times \frac{1}{a}$$

$$x = \frac{b}{a}$$

$$a = 0, b \neq 0$$

$$ax = b$$

$$ax \times \frac{1}{a} = b \times \frac{1}{a}$$

$$x = \frac{b}{a}$$

$$\begin{array}{ccc} \bullet & a=0 \; , \; b \neq 0 \\ 0 \times x & = & b \end{array}$$

$$ax = b$$

$$ax \times \frac{1}{a} = b \times \frac{1}{a}$$

$$x = \frac{b}{a}$$

$$\begin{array}{ccc} \bullet & a = 0 \ , \ b \neq 0 \\ 0 \times x & = & b \\ 0 & = & b \end{array}$$

$$ax = b$$

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$$x = \frac{b}{a}$$

$$\begin{array}{ccc} \bullet & a = 0 \ , \ b \neq 0 \\ 0 \times x & = b \\ 0 & = b \end{array}$$

$$ax = b$$

$$a \neq 0$$

$$ax \times \frac{1}{a} = b \times \frac{1}{a}$$

$$x = \frac{b}{a}$$

$$a = 0, b \neq 0$$

$$0 \times x = b$$

$$0 = b$$

•
$$a = 0$$
, $b = 0$

$$ax = b$$

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$$ax \times \frac{1}{a} = b \times \frac{1}{a}$$

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$$a = 0, b \neq 0$$

$$0 \times x = b$$

$$0 = b$$

$$a = 0, b = 0$$
$$0 \times x = 0$$

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$$a = 0, b \neq 0$$

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$$\begin{array}{ccc} \bullet & a = 0 \ , \ b \neq 0 \\ 0 \times x & = b \\ 0 & = b \end{array}$$

•
$$a = 0$$
, $b = 0$
 $0 \times x = 0$
 $0 = 0$

The solution is all numbers.



Github:

https://min7014.github.io/math20210129001.html

Click or paste URL into the URL search bar, and you can see a picture moving.