

Solve a one-step equation with rational numbers

NAME	DATE	SCORE / 10
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1 Solve for x: $x + 4.1 = -0.65$

2 Ivy put \$2.80 into a bank account, and the balance is now $-\$17.70$. The equation $x + 2.80 = -17.70$ shows this, where x is the balance before, in dollars. What was the balance before, in dollars?

3 Solve for x: $(\frac{3}{8})x = 18$

4 Ana has read $\frac{1}{4}$ of a book, which is 37 pages. The equation $(\frac{1}{4})x = 37$ shows this, where x is the number of pages in the book. How many pages does the book have?

5 Solve for x: $x - \frac{1}{2} = -\frac{13}{10}$

6 During the night the temperature fell by 5.7°C , and in the morning it was 5.8°C . The equation $x - 5.7 = 5.8$ shows this, where x is the temperature before the night, in $^{\circ}\text{C}$. What was the temperature before the night, in $^{\circ}\text{C}$?

7Solve for x: $x + \frac{1}{2} = \frac{2}{3}$ **9**Solve for x: $-4x = 0.2$ **8**

A diver goes down 2.5 metres each second, from the surface. After x seconds the diver is at -25 metres. The equation $-2.5x = -25$ shows this. How many seconds has the diver been going down?

10

Ana put \$4.00 into a bank account, and the balance is now $-\$19.70$. The equation $x + 4.00 = -19.70$ shows this, where x is the balance before, in dollars. What was the balance before, in dollars?

Solve a one-step equation with rational numbers

1 -4.75

3 48

5 $-4/5$

7 $1/6$

9 -0.05

2 -20.50

4 148

6 11.5

8 10

10 -23.70