

Evaluate multi-step expressions with rational numbers

NAME	DATE	SCORE / 10
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1 $(-4.42 + (-13.08)) \div (-2.5) = ?$

2 Maya worked out $-9.5 + 0.5 \times (-6)$ in the steps below. Which step is the first one that is wrong?

Step 1: $0.5 \times (-6) = 3$

Step 2: $-9.5 + 3 = -6.5$

Step 3: The value is -6.5 .

☐ Step 1 ☐ Step 2 ☐ Step 3

3 $(-\frac{2}{5} - (-\frac{1}{3})) \div (-\frac{1}{2}) = ?$ Give the answer in lowest terms.

4 Emma worked out $-6 + 3 \times (-4)$ in the steps below. Which step is the first one that is wrong?

Step 1: $3 \times (-4) = -12$

Step 2: $-6 + (-12) = 18$

Step 3: The value is 18.

☐ Step 1 ☐ Step 2 ☐ Step 3

5 $(-1.5 + (-3.3)) \div 0.8 = ?$

- 6 Dev worked out $-4.5 + 3.5 \times (-3)$ in the steps below. Which step is the first one that is wrong?

Step 1: $3.5 \times (-3) = -10.5$

Step 2: $-4.5 + (-10.5) = 15$

Step 3: The value is 15.

☐ Step 1 ☐ Step 2 ☐ Step 3

- 7 $(\frac{1}{2} - \frac{1}{4}) \div (-\frac{1}{3}) = ?$ Give the answer in lowest terms.

- 8 Leo worked out $-5 + 1 \times (-6)$ in the steps below. Which step is the first one that is wrong?

Step 1: $1 \times (-6) = -6$

Step 2: $-5 + (-6) = 11$

Step 3: The value is 11.

☐ Step 1 ☐ Step 2 ☐ Step 3

- 9 $-6.3 - 4.4 \times (-7) = ?$

- 10 Ben worked out $-5.5 + 1.5 \times (-6)$ in the steps below. Which step is the first one that is wrong?

Step 1: Work from left to right: $-5.5 + 1.5 = -4$

Step 2: $(-4) \times (-6) = 24$

Step 3: The value is 24.

☐ Step 1 ☐ Step 2 ☐ Step 3

Evaluate multi-step expressions with rational numbers

1 7

3 $\frac{2}{15}$

5 -6

7 $-\frac{3}{4}$

9 24.5

2 Step 1

4 Step 2

6 Step 2

8 Step 2

10 Step 1