

Evaluate multi-step expressions with rational numbers

NAME	DATE	SCORE / 10
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1 $(4.7 + (-5.7)) \div (-0.2) = ?$

2 Maya worked out $-4 + 2.5 \times (-4)$ in the steps below. Which step is the first one that is wrong?

Step 1: $2.5 \times (-4) = -10$

Step 2: $-4 + (-10) = 14$

Step 3: The value is 14.

☐ Step 1 ☐ Step 2 ☐ Step 3

3 $-\frac{3}{4} + \frac{3}{4} \times (-\frac{1}{3}) = ?$

4 Noah worked out $-9.5 + 2.5 \times (-4)$ in the steps below. Which step is the first one that is wrong?

Step 1: $2.5 \times (-4) = -10$

Step 2: $-9.5 + (-10) = 19.5$

Step 3: The value is 19.5.

☐ Step 1 ☐ Step 2 ☐ Step 3

5 $\frac{3}{4} \times (-\frac{1}{5} + \frac{3}{5}) = ?$ Give the answer in lowest terms.

6 Cleo worked out $-8 + 1.5 \times (-2)$ in the steps below. Which step is the first one that is wrong?

Step 1: $1.5 \times (-2) = 3$

Step 2: $-8 + 3 = -5$

Step 3: The value is -5 .

☐ Step 1 ☐ Step 2 ☐ Step 3

7 $-\frac{4}{5} \times (\frac{3}{4} + \frac{2}{3}) = ?$ Give the answer in lowest terms.

8 Ana worked out $-1.5 + 0.5 \times (-6)$ in the steps below. Which step is the first one that is wrong?

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

Step 2: $-1.5 + 3 = 1.5$

Step 3: The value is 1.5 .

☐ Step 1 ☐ Step 2 ☐ Step 3

9 $(3.76 + (-13.76)) \div 2.5 = ?$

- 10** Ben worked out $-2.5 + 3.5 \times (-2)$ in the steps below. Which step is the first one that is wrong?

Step 1: $3.5 \times (-2) = -7$

Step 2: $-2.5 + (-7) = 9.5$

Step 3: The value is 9.5.

☐ Step 1 ☐ Step 2 ☐ Step 3

Evaluate multi-step expressions with rational numbers

1 5

3 -1

5 $\frac{3}{10}$

7 $-\frac{17}{15}$

9 -4

2 Step 2

4 Step 2

6 Step 1

8 Step 1

10 Step 2