

Evaluate multi-step expressions with rational numbers

NAME	DATE	SCORE / 10
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1 $(3.03 + (-6.53)) \div (-0.5) = ?$

2 Emma worked out $-2.5 + 1.5 \times (-2)$ in the steps below. Which step is the first one that is wrong?

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

Step 2: $-2.5 + 3 = 0.5$

Step 3: The value is 0.5.

☐ Step 1 ☐ Step 2 ☐ Step 3

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

4 Ana worked out $-7.5 + 2 \times (-3)$ in the steps below. Which step is the first one that is wrong?

Step 1: $2 \times (-3) = 6$

Step 2: $-7.5 + 6 = -1.5$

Step 3: The value is -1.5 .

☐ Step 1 ☐ Step 2 ☐ Step 3

5

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

6

Noah worked out $-9.5 + 1.5 \times (-3)$ in the steps below. Which step is the first one that is wrong?

Step 1: Work from left to right: $-9.5 + 1.5 = -8$

Step 2: $(-8) \times (-3) = 24$

Step 3: The value is 24.

☐ Step 1 ☐ Step 2 ☐ Step 3

7

$-9.32 - (-3.7) \times (-3) = ?$

8

Cleo worked out $-6 + 4.5 \times (-4)$ in the steps below. Which step is the first one that is wrong?

Step 1: $4.5 \times (-4) = 18$

Step 2: $-6 + 18 = 12$

Step 3: The value is 12.

☐ Step 1 ☐ Step 2 ☐ Step 3

9

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

- 10** Maya worked out $-5.5 + 4.5 \times (-5)$ in the steps below. Which step is the first one that is wrong?

Step 1: $4.5 \times (-5) = 22.5$

Step 2: $-5.5 + 22.5 = 17$

Step 3: The value is 17.

☐ Step 1 ☐ Step 2 ☐ Step 3

Evaluate multi-step expressions with rational numbers

1 7

3 $-1/15$

5 $3/20$

7 -20.42

9 $-3/5$

2 Step 1

4 Step 1

6 Step 1

8 Step 1

10 Step 1