

Evaluate multi-step expressions with rational numbers

NAME	DATE	SCORE / 10
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1 $(-\frac{1}{2} - (-\frac{3}{5})) \div \frac{1}{2} = ?$ Give the answer in lowest terms.

2 Emma worked out $-3 + 0.5 \times (-5)$ in the steps below. Which step is the first one that is wrong?

Step 1: $0.5 \times (-5) = 2.5$

Step 2: $-3 + 2.5 = -0.5$

Step 3: The value is -0.5 .

☐ Step 1 ☐ Step 2 ☐ Step 3

3 $-4.5 \times (-9) + 5.19 = ?$

4 Ivy worked out $-4 + 0.5 \times (-2)$ in the steps below. Which step is the first one that is wrong?

Step 1: Work from left to right: $-4 + 0.5 = -3.5$

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

Step 3: The value is 7.

☐ Step 1 ☐ Step 2 ☐ Step 3

5 $-6.64 - 2.9 \times 4 = ?$

- 6** Cleo worked out $-3.5 + 4.5 \times (-2)$ in the steps below. Which step is the first one that is wrong?

Step 1: $4.5 \times (-2) = 9$

Step 2: $-3.5 + 9 = 5.5$

Step 3: The value is 5.5.

☐ Step 1 ☐ Step 2 ☐ Step 3

- 7** $-\frac{1}{2} + \frac{2}{5} \times \frac{2}{3} = ?$ Give the answer in lowest terms.

- 8** Ben worked out $-7 + 1 \times (-6)$ in the steps below. Which step is the first one that is wrong?

Step 1: Work from left to right: $-7 + 1 = -6$

Step 2: $(-6) \times (-6) = 36$

Step 3: The value is 36.

☐ Step 1 ☐ Step 2 ☐ Step 3

- 9** $-3.4 \times (-3) + (-4.2) = ?$

- 10** Ana worked out $-2.5 + 3.5 \times (-5)$ in the steps below. Which step is the first one that is wrong?

Step 1: Work from left to right: $-2.5 + 3.5 = 1$

Step 2: $1 \times (-5) = -5$

Step 3: The value is -5 .

☐ Step 1 ☐ Step 2 ☐ Step 3

Evaluate multi-step expressions with rational numbers

1 $1/5$

3 45.69

5 -18.24

7 $-7/30$

9 6

2 Step 1

4 Step 1

6 Step 1

8 Step 1

10 Step 1