

Rational Number Relay

Add and subtract fractions, mixed numbers, and decimals.

GRADE 5 • TEKS 5.3.K

5.3.K "add and subtract positive rational numbers fluently; and"

NAME _____

DATE _____

LINE UP AND COMBINE

For decimals, line up the decimal points and add zeros if needed. For fractions, use a common denominator before you add or subtract. You can change mixed numbers to improper fractions when that makes the work easier.

WORKED EXAMPLE

$$2.46 + 1.3$$

1. Line up the decimal points: $2.46 + 1.30$
2. Add the hundredths and tenths: $0.46 + 0.30 = 0.76$
3. Add the ones: $2 + 1 = 3$

Answer: 3.76

PRACTICE 6 problems

1 $7.2 - 0.85$

ANSWER _____

2 $1/6 + 1/3$

ANSWER _____

3 $4 \frac{1}{4} - 2 \frac{2}{3}$

ANSWER _____

4 $0.48 + 3.07$

ANSWER _____

5 $5/9 + 1/6$

ANSWER _____

6 $6 \frac{3}{5} + 7/10$

ANSWER _____

APPLY IT Show your work

- 1** Jordan planned to ride $4\frac{1}{2}$ miles on a scooter. After riding $1\frac{3}{4}$ miles, how many miles does Jordan still need to ride?

WORK SPACE

ANSWER _____

- 2** The school music club raised \$5.60 on Monday and \$2.85 on Tuesday. How much money did the club raise altogether?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

A craft club has $5\frac{1}{6}$ pounds of clay. The club uses $2\frac{3}{4}$ pounds, then gets $1\frac{2}{3}$ more pounds. How many pounds of clay does the club have now?

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	$7.2 - 0.85$	6.35
2	$1/6 + 1/3$	$1/2$
3	$4\frac{1}{4} - 2\frac{2}{3}$	$1\frac{7}{12}$
4	$0.48 + 3.07$	3.55
5	$5/9 + 1/6$	$13/18$
6	$6\frac{3}{5} + 7/10$	$7\frac{3}{10}$

PART 2 • APPLY IT

- 2 $\frac{3}{4}$ miles** Subtract $1\frac{3}{4}$ from $4\frac{1}{2}$. Rename the fractions with fourths: $4\frac{2}{4} - 1\frac{3}{4} = 2\frac{3}{4}$.
- \$8.45** Line up the decimal points and add $5.60 + 2.85$. The total is 8.45 dollars.

CHALLENGE

4 $\frac{1}{12}$ pounds

Accept equivalent fraction forms and improper fractions when they equal the correct value. For decimal answers, accept trailing zeros, such as 3.550 for 3.55.