

Swimming in Word Problems: Practicing Adding Mixed Number Fractions

Name: _____ Date: _____

Read and solve the following word problems below.

1. In an open relay race, Joe planned to swim $3\frac{2}{5}$ laps and Eric planned to swim $2\frac{1}{5}$ laps. How many combined laps did Joe and Eric plan to swim?

$$5\frac{3}{5} \text{ laps}$$



2. In the second heat, Jeremy planned to swim $2\frac{2}{3}$ laps and Graham planned to swim $1\frac{1}{3}$ laps. How many laps did Jeremy and Graham plan to swim all together?

$$4 \text{ laps}$$

3. Andrea's relay team has practice drills for $1\frac{2}{3}$ hours, while Ivan's junior varsity squad has to swim laps for $2\frac{1}{6}$ hours. How many hours, combined, will Andrea and Ivan's groups be swimming?

$$3\frac{5}{6} \text{ hours}$$

4. Dive Deep

Directions: Answer the following questions using pictures, words and symbols.

- A. What do exercises #1 and #2 have in common?
Answers will vary but may include: That both addends are mixed numbers with common denominators.
- B. How are exercises #1 and #2 different from exercise #3?
Answers will vary but may include: Same as above, but also mentioning that problem #3 has mixed number addends with unlike denominators.
- C. What kind of clues do the sums give us about addends?
Answers will vary but may include: How if you take one addend away from the sum, you get the other addend.