1.2 Adding and Subtracting Fractions Solutions

In this worksheet, we will practice adding and subtracting fractions, and then try a few word problems. If you would like further explanation before attempting these problems, links to video descriptions can be found at the end of this worksheet. Starred problems have video solutions.

1 For each problem, draw the fractions to estimate an answer. Then evaluate the expression.

    a. $3\frac{1}{2}$

    b. $\frac{4}{5}$

    c. $\frac{5}{4} = 1\frac{1}{4}$

    d. $\frac{1}{6}$

    e. $\frac{43}{36} = 1\frac{7}{36}$

    f. $\frac{9}{40}$

    g. $\frac{13}{12} = 1\frac{1}{12}$

    h. $\frac{40}{21} = 1\frac{19}{21}$

2 * You and a friend split up the problems on your math homework. You did the first half of the problems, but your friend slacked off and only did 1/3 of the problems. How many problems are left?

    (d) 1/6

3 * Cruz is painting his 4-walled room with 3 total coats. He painted two coats on three walls and one coat on one wall before running out of paint. Expressed as a fraction, how much more does he have left?

    (b) 5/12

Additional Resources:

- Khan Academy video explaining how to add and subtract fractions: `https://www.youtube.com/watch?v=52ZlXsFJULI`

- A detailed solution to problem 1.`http://youtu.be/xBZ-szOgetw`

- A detailed solution to problem 2: `http://youtu.be/ZpHgRAJxnIM`

- A detailed solution to problem 3: `http://youtu.be/GoI8n49JydU`