

Butterfly Fractions



ANSWERS

20 6

$$\frac{5}{6} - \frac{1}{4} = \frac{14}{24} - \frac{7}{12}$$

24

For each fraction equation draw wings around the diagonals made from the numerator of one fraction and denominator of the other fraction. Draw antennas on the top of each wing. Draw the lower body of the butterfly between the bottom of each wing. See the example for illustration.

Multiply the denominators. Multiply the numbers in each wing. Then subtract the fractions with the common denominator.

6 4

$$\frac{3}{4} - \frac{1}{2} = \frac{2}{8} - \frac{1}{4}$$

8

12 5

$$\frac{4}{5} - \frac{1}{3} = \frac{7}{15} - \frac{5}{15}$$

15

15 14

$$\frac{5}{7} - \frac{2}{3} = \frac{1}{21} - \frac{14}{21}$$

21

28 27

$$\frac{7}{9} - \frac{3}{4} = \frac{1}{36} - \frac{27}{36}$$

36

20 9

$$\frac{5}{9} - \frac{1}{4} = \frac{11}{36} - \frac{9}{36}$$

36

56 18

$$\frac{8}{9} - \frac{2}{7} = \frac{38}{63} - \frac{18}{63}$$

63

54 14

$$\frac{6}{7} - \frac{2}{9} = \frac{40}{63} - \frac{14}{63}$$

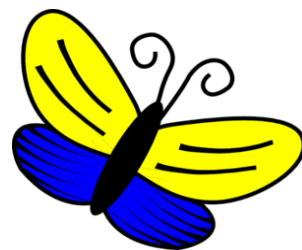
63

32 21

$$\frac{4}{7} - \frac{3}{8} = \frac{11}{56} - \frac{21}{56}$$

56

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6 4

$$\frac{3}{4} - \frac{1}{2} = \frac{2}{8} - \frac{1}{4}$$

8

For each fraction equation draw wings around the diagonals made from the numerator of one fraction and denominator of the other fraction. Draw antennas on the top of each wing. Draw the lower body of the butterfly between the bottom of each wing. See the example for illustration.

Multiply the denominators. Multiply the numbers in each wing. Then subtract the fractions with the common denominator.

28 10

$$\frac{4}{5} - \frac{2}{7} = \frac{18}{35} - \frac{10}{35}$$

35

20 8

$$\frac{5}{8} - \frac{1}{4} = \frac{12}{32} - \frac{8}{32}$$

32

35 27

$$\frac{7}{9} - \frac{3}{5} = \frac{8}{45} - \frac{27}{45}$$

45

9 4

$$\frac{3}{4} - \frac{1}{3} = \frac{5}{12} - \frac{4}{12}$$

12

35 27 20

$$\frac{5}{9} - \frac{3}{7} = \frac{8}{63} - \frac{27}{63} - \frac{20}{63}$$

63

18

$$\frac{5}{6} - \frac{3}{4} = \frac{2}{24} - \frac{18}{24} - \frac{1}{12}$$

24

24 18

$$\frac{8}{9} - \frac{2}{3} = \frac{6}{27} - \frac{18}{27} - \frac{2}{9}$$

27

48 21

$$\frac{6}{7} - \frac{3}{8} = \frac{27}{56} - \frac{21}{56} - \frac{48}{56}$$

56