Adding Fractions (same denominator)

Adding Fractions

Add and subtract fractions with the same denominator within one whole.

Add the following fractions together. Use the pizzas to help you work out the answer. Shade the pizza at the end of each question to show the total number of slices. The first one has been done for you.

a) 2/4 + 1/4 = **3/4**

b) 1/5 + 2/5 = ☐

c) 2/6 + 3/6 = ☐

d) 3/8 + 4/8 = ☐

e) 3/10 + 5/10 = ☐

Adding Fractions

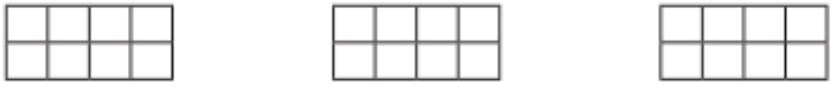
Add and subtract fractions with the same denominator within one whole.

Use the bar models below to add the fractions. Shade in the fraction on each bar before adding them. The first one has been done for you.

a) 1/5 + 3/5 = 4/5

b) 2/6 + 4/6 = ☐

c) 5/8 + 2/8 = ☐



d) 4/7 + 2/7 = ☐

e) 6/10 + 3/10 = ☐

f) 2/7 + 3/7 = ☐

g) 5/8 + 3/8 = ☐

h) 4/10 + 3/10 = ☐

Adding Fractions

Add and subtract fractions with the same denominator within one whole.

Complete the following calculations.

a) $\frac{1}{3} + \frac{2}{3} =$ _____

b) $\frac{3}{7} + \frac{2}{7} =$ _____

c) $\frac{2}{8} + \frac{5}{8} =$ _____

d) $\frac{6}{12} + \frac{5}{12} =$ _____

e) $\frac{3}{10} + \frac{4}{10} =$ _____

f) $\frac{2}{20} + \frac{8}{20} =$ _____

g) $\frac{1}{4} + \frac{3}{4} =$ _____

h) $\frac{2}{5} + \frac{1}{5} =$ _____

i) $\frac{3}{6} + \frac{2}{6} =$ _____

j) $\frac{2}{9} + \frac{5}{9} =$ _____

k) $\frac{3}{8} + \frac{4}{8} =$ _____

l) $\frac{6}{10} + \frac{2}{10} =$ _____

Challenge

1. What two fractions could be added together to make 3/7?

_____

2. What two fractions could be added together to make 8/10?

_____

Answers

Page 1

a) 2/4 + 1/4 = **3/4**

b) 1/5 + 2/5 = **3/5**

c) 2/6 + 3/6 = **5/6**

d) 3/8 + 4/8 = **7/8**

e) 3/10 + 5/10 = **8/10**

Page 2

a) 1/5 + 3/5 = **4/5**

b) 2/6 + 4/6 = **6/6 or 1 whole**

c) 5/8 + 2/8 = **7/8**

d) 4/7 + 2/7 = **6/7**

e) 6/10 + 3/10 = **9/10**

f) 2/7 + 3/7 = **5/7**

g) 5/8 + 3/8 = **8/8 or 1 whole**

h) 4/10 + 3/10 = **7/10**

Page 3

a) 1/3 + 2/3 = **3/3**

b) 3/7 + 2/7 = **5/7**

c) 2/8 + 5/8 = **7/8**

d) 6/12 + 5/12 = **11/12**

e) 3/10 + 4/10 = **7/10**

f) 2/20 + 8/20 = **10/20**

g) 1/4 + 3/4 = **4/4 or 1 whole**

h) 2/5 + 1/5 = **3/5**

i) 3/6 + 2/6 = **5/6**

j) 2/9 + 5/9 = **7/9**

k) 3/8 + 4/8 = **7/8**

l) 6/10 + 2/10 = **8/10**

Challenge

1. What two fractions could be added together to make 3/7? 1/7 + 2/7

2. What two fractions could be added together to make 8/10?

   Any two fractions with a denominator of 10 where the numerators total 8.