

Friday  
the 5<sup>th</sup>

$$5b = 55, b = 11$$

$$2c = 10, c = 5$$

$$3f = 21, f = 7$$

$$4d = 24, d = 6$$

$$250 \div 5 = \underline{50}$$

$$2500 \div 5 = \underline{500}$$

$$2505 \div 5 = \underline{501}$$

$$360 \div 6 = \underline{60}$$

$$3600 \div 6 = \underline{600}$$

$$3606 \div 6 = \underline{601}$$

Write all sums in simplest form.

Write improper fractions as mixed numbers.

1. Find a common denominator for each pair of fractions.

a)  $\frac{1}{24}$  and  $\frac{5}{8}$

b)  $\frac{1}{8}$  and  $\frac{2}{3}$

c)  $\frac{2}{3}$  and  $\frac{1}{9}$

d)  $\frac{3}{5}$  and  $\frac{2}{3}$

$\frac{1}{24}$  and  $\frac{5}{8}$

$\frac{3}{24}$  and  $\frac{16}{24}$

$\frac{6}{9}$  and  $\frac{1}{9}$

$\frac{9}{15}$  and  $\frac{10}{15}$

2. Copy and complete. Replace each  $\square$  with a digit to make each equation true.

$$\text{a) } \frac{3}{12} = \frac{\square}{4}$$

$$\text{b) } \frac{3}{4} = \frac{6}{\square}$$

$$\text{c) } \frac{3}{6} = \frac{\square}{4}$$

$$\text{d) } \frac{6}{8} = \frac{15}{\square}$$

$$\frac{3 \times 2}{6} = \frac{6}{12}$$

$$\frac{6 \div 3}{12} = \frac{\square}{4}$$

$$\frac{6 \times 5}{8 \times 5} = \frac{30}{40}$$

$$\frac{30 \div 2}{40 \div 2} = \frac{15}{\square}$$

4. Estimate, then add.

a)  $\frac{3}{5} + \frac{4}{8}$

b)  $\frac{1}{6} + \frac{5}{8}$

c)  $\frac{5}{6} + \frac{7}{9}$

d)  $\frac{3}{4} + \frac{4}{7}$

e)  $\frac{1}{3} + \frac{2}{5}$

f)  $\frac{1}{5} + \frac{5}{6}$

$\rightarrow 6, 12, 18, 24$

a)  $\frac{3}{5} + \frac{4}{8}$   
 $\frac{24}{40} + \frac{20}{40} = \frac{44}{40} = \frac{4 \cdot 11}{40 \cdot 1} = 1 \frac{1}{10}$

b)  $\frac{4}{6} + \frac{5}{8}$

c)  $\frac{5^{+6}}{6^{+6}} + \frac{7^{+4}}{9^{+4}}$

$\frac{4}{24} + \frac{15}{24} = \frac{19}{24}$

$\frac{30}{36} + \frac{28}{36} = \frac{58}{36} = \frac{29}{18}$

$\frac{29}{18} = 1 \frac{11}{18}$

d)  $\frac{3}{4} + \frac{4}{7}$

$\frac{21}{28} + \frac{16}{28} = \frac{37}{28} = 1 \frac{11}{28}$

e)  $\frac{1}{5} + \frac{2}{3}$

$\frac{3}{15} + \frac{6}{15} = \frac{11}{15}$

5. One page of a magazine had 2 advertisements. One was  $\frac{1}{8}$  of the page, the other  $\frac{1}{16}$ . What fraction of the page was covered? Show your work.

$$\frac{2}{8} + \frac{1}{16}$$

$$\frac{2}{8} + \frac{1}{16} = \frac{3}{16}$$



$$\frac{1}{8}$$

$$\frac{1}{16}$$

7. **Assessment Focus** Three people shared a pie. <sup>No!</sup>  
 Which statement is true? Can both statements be true?  
 Use pictures to show your thinking.

- ~~a) Edna ate  $\frac{1}{10}$ , Farrah ate  $\frac{3}{5}$ , and Ferris ate  $\frac{1}{2}$ .~~  
 ✓ b) Edna ate  $\frac{3}{10}$ , Farrah ate  $\frac{1}{5}$ , and Ferris ate  $\frac{1}{2}$ .

$$\frac{1}{10} + \frac{3}{5} + \frac{1}{2} = \frac{1}{10} + \frac{6}{10} + \frac{5}{10} = \frac{12}{10}$$

$$b) \frac{3}{10} + \frac{1}{5} + \frac{1}{2} = \frac{3}{10} + \frac{2}{10} + \frac{5}{10} = \frac{10}{10}$$

8. Damara and Baldwin had to shovel snow to clear their driveway.  
Damara shovelled about  $\frac{3}{10}$  of the driveway.  
Baldwin shovelled about  $\frac{2}{3}$  of the driveway.  
What fraction of the driveway was cleared of snow?

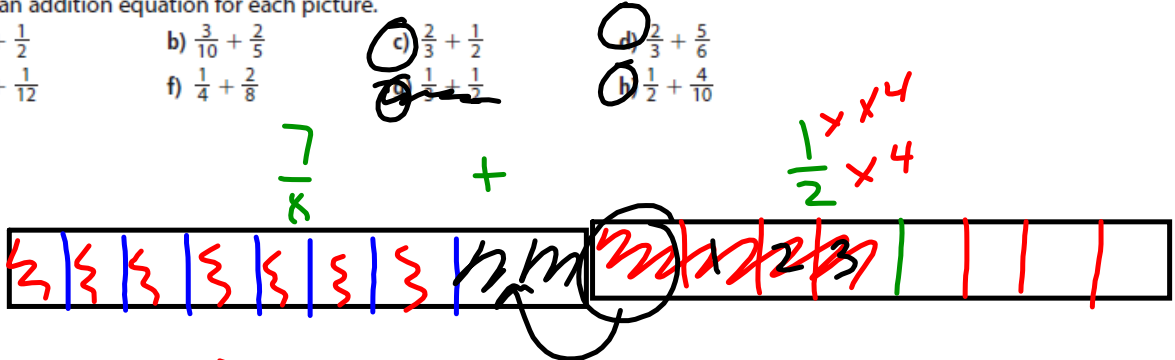


$$\frac{3 \times 3}{10 \times 3} + \frac{2 \times 10}{3 \times 10}$$
$$\frac{9}{30} + \frac{20}{30} = \frac{29}{30}$$

2. Use a model to show each sum. Sketch the model.

Write an addition equation for each picture.

- a)  $\frac{7}{8} + \frac{1}{2}$       b)  $\frac{3}{10} + \frac{2}{5}$       c)  $\frac{2}{3} + \frac{1}{2}$       d)  $\frac{2}{3} + \frac{5}{6}$   
 e)  $\frac{3}{6} + \frac{1}{12}$       f)  $\frac{1}{4} + \frac{2}{8}$



$$\frac{7}{8} + \frac{4}{8} = \frac{11}{8} = 1\frac{3}{8}$$

c, d, e, h

$$\frac{2 \times 2}{3 \times 2} + \frac{1 \times 3}{2 \times 3}$$

$$\frac{4}{6} + \frac{3}{6} =$$



3. Simon spends  $\frac{1}{6}$  h practising the whistle flute each day.  
He also spends  $\frac{1}{3}$  h practising the drums.  
How much time does Simon spend each day practising these instruments?  
Show how you found your solution.

4. a) Add.

i)  $\frac{1}{5} + \frac{1}{5}$

ii)  $\frac{2}{3} + \frac{1}{3}$

iii)  $\frac{4}{10} + \frac{3}{10}$

iv)  $\frac{1}{6} + \frac{3}{6}$

b) Look at your work in part a. How did you find your solutions?  
How else could you add fractions with like denominators?

5. Is each sum greater than 1 or less than 1? How can you tell?

a)  $\frac{1}{4} + \frac{2}{4}$

b)  $\frac{2}{5} + \frac{7}{5}$

c)  $\frac{3}{4} + \frac{1}{4}$

d)  $\frac{1}{10} + \frac{3}{10}$

6. **Assessment Focus** Bella added 2 fractions. Their sum was  $\frac{5}{6}$ .  
Which 2 fractions might Bella have added?  
Find as many pairs of fractions as you can.  
Show your work.

7. Asani's family had bannock with their dinner. The bannock was cut into 8 equal pieces. Asani ate 1 piece, her brother ate 2 pieces, and her mother ate 3 pieces.
- a) What fraction of the bannock did Asani eat? Her brother? Her mother?
  - b) What fraction of the bannock was eaten? What fraction was left?



