

MATH 4: HOMEWORK 14
JANUARY 19 2020

1. Compute: (*Remember the common denominator is LCM, **think** what you want to do with the whole part of a number...*)

(a) $9\frac{5}{21} - \frac{8}{9} =$

(b) $12\frac{5}{6} - \frac{17}{24} =$

(c) $1\frac{1}{21} + 7\frac{5}{24} =$

2. Compute: (*First make all fractions irregular; then multiply*)

(a) $1\frac{9}{16} \cdot \frac{4}{45} =$

(b) $1\frac{7}{20} \cdot \frac{4}{27} =$

(c) $3\frac{3}{7} \cdot \frac{7}{24} =$

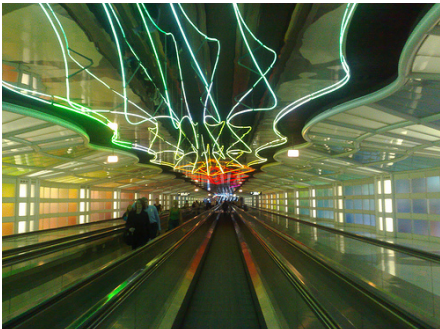
3. Compute: (*First make all fractions irregular; then divide*)

(a) $1\frac{1}{9} \div 1\frac{1}{3} =$

(b) $1\frac{1}{4} \div 1\frac{1}{2} =$

(c) $9\frac{4}{13} \div \frac{11}{13} =$

4. There were 45 birds sitting in three trees. 4 birds flew away from one tree, 6 birds flew away from the second tree, and 8 birds flew away from the third tree. Now the number of birds sitting in each tree is the same. How many birds were sitting in each tree in the beginning?
5. The brother and the sister had a total of \$90 in their piggy banks. Then the sister gave the brother \$10. Now the brother has twice as much money as the sister. How much money did each of them have in the beginning?
6. Three girls had the same number of quarters. When each of them spent 8 quarters, altogether they had as many quarters as each of them had in the beginning. How many quarters did each of the girls have in the beginning?
- 7.



The speed of a moving walkway in the airport is 3 ft./sec. A young boy can comfortably walk at 7 ft./s on a flat surface. How long it will take a young boy to walk a 300 ft. long moving walk in the opposite direction? In forward direction?