

Each student in the class will create a "Most Wanted" poster for two mixed numbers. Select one of the following based on your birthday:

$$\text{JAN: } 1\frac{2}{5}, \text{ FEB: } 2\frac{3}{7}, \text{ MAR: } 3\frac{4}{9}, \text{ APR: } 4\frac{1}{3}, \text{ MAY: } 1\frac{4}{15}, \text{ JUNE: } 2\frac{5}{12}, \text{ JULY: } 3\frac{3}{8}, \text{ AUG: } 4\frac{1}{4}$$

$$\text{SEPT: } 1\frac{9}{20}, \text{ OCT: } 2\frac{7}{15}, \text{ NOV: } 3\frac{4}{10}, \text{ DEC: } 4\frac{3}{9}$$

Now select one of the following on your own. Make the fraction you chose a mixed number by placing a whole number (1 to 4) in front of it. *Make sure the fractional parts of the two numbers you have chosen have different denominators and add up to more than one whole.*

$$\frac{3}{4} \quad \frac{4}{5} \quad \frac{5}{6} \quad \frac{7}{8} \quad \frac{5}{8} \quad \frac{9}{10} \quad \frac{7}{10} \quad \frac{11}{12} \quad \frac{13}{15} \quad \frac{11}{15} \quad \frac{6}{8} \quad \frac{8}{10} \quad \frac{9}{12} \quad \frac{10}{12} \quad \frac{2}{3} \quad \frac{6}{15} \quad \frac{4}{12} \quad \frac{8}{20}$$

Include enough wording on your poster to explain what each item is. Note that the word "fraction" below will really be a mixed number in most cases.

REQUIREMENT	Points
1. Title – example: Have you seen these fractions? WANTED! \$10,000 reward! Extremely dangerous!!	5 pts.
2./3. Fraction suspects written with numbers and words – example: $\frac{3}{4}$ (three-fourths) and $\frac{2}{5}$ (two-fifths)	10 pts.
4. Fraction mug shots - Three pictures of each fraction: one with the area model, one with the length model, and one with the group model	20 pts.
5. Fraction aliases – three equivalent fractions to each suspect	10 pts.
6. Fractions friends (known to be close to the suspects) – list two fractions a little less than each suspect and two fractions a little more than the each suspect.	10 pts.
7. Fraction families – find the LCD for the two fractions. Both fractions are members of the family with the denominator that you find. Using their family names ($\frac{15}{20}$ and $\frac{8}{20}$), state who is the older, bigger brother and who is the little, younger sister. Draw the mug shot for each fraction using its family name (use the group or area model). Finally, list at least three other family members with the same denominator.	15 pts.
8. A dangerous combination - fractions added together – if you should see these two suspects together they may look like this...add the two fractions and give the answer as both a mixed number in simplest form and an improper fraction.	15 pts.
9. A getaway with a "takeaway" – Use the larger of the two fractions. Write a brief story about how it may have been hurt recently robbing a bank and could have lost some value (make up a smaller fraction with a different denominator). Subtract this value from the suspect to show what it may now look like in number form as well as a new mug shot (group or area model).	15 pts.

(1) TITLE	
(2) (3) Fraction #1 in numbers and words	(2) (3) Fraction #2 in numbers and words
(4) Mug shots	(4) Mug shots
(5) Aliases	(5) Aliases
(6) Friends	(6) Friends
(7) The same family	
(8) A dangerous combination	
(9) A getaway with a takeaway	