



Surname: ..... Name: .....

Group: ..... Date: .....

Question	1	2	3	4	5	Total
Points	2	2	2	2	2	10
Calification						

- This test must be performed with a blue or black non-erasable pen.
- Cheating, talking, getting up from the chair or disturbing the rest of the class can be reasons for withdrawal from the test, which will be valued with a zero.
- All operations must appear, it is not enough to just indicate the result.

1. Calculate the following operations and simplify if possible:

(2 points)

(a)  $\frac{5}{12} \cdot \frac{9}{15} =$

(b)  $10 \cdot \frac{9}{15} =$

(c)  $\frac{5}{12} : \frac{4}{15} =$

(d)  $2 : \frac{5}{3} =$

2. Calculate the following operations and simplify if possible:

(2 points)

(a)  $\frac{4}{11} + \frac{5}{11} - \frac{2}{11} =$

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

(c)  $\frac{7}{12} + \frac{2}{9} =$

(d)  $1 - \frac{9}{13} =$

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3. Calculate the following operations and simplify if possible:

(2 points)

(a)  $\frac{3}{5} - \left(1 - \frac{7}{10}\right) =$

(b)  $\left(3 - \frac{5}{3}\right) \cdot \left(2 - \frac{7}{5}\right) =$

4. Sort the following fractions from highest to lowest:

(2 points)

$$\frac{2}{3}; \frac{3}{8}; \frac{4}{6}; \frac{1}{2}$$

5. In a garden we have 20 red, 10 white and 15 yellow rose bushes.

(2 points)

(a) What fraction does each color represent?

(b) If we have pruned red rose bushes, what fraction do we have left to prune?