

Unit 1.5 Fractions

1. Multiply the following fractions

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

b) $\frac{15}{36} \times \frac{9}{36} =$ _____

c) $\frac{-3}{8} \times \frac{4}{9} =$ _____

d) $\frac{26b}{51a} \times \frac{17a}{13b} =$ _____

$$e) \frac{45a}{30b} \times \frac{12ab}{18b} \times \frac{9c}{10ac} = \underline{\hspace{2cm}}$$

2. Divide the following fractions

$$a) \frac{-16}{7} \div \frac{16}{3} = \underline{\hspace{2cm}}$$

$$b) \frac{-15}{2} \div \frac{6}{25} = \underline{\hspace{2cm}}$$

$$c) \frac{26b}{51a} \div \frac{17a}{13b} = \underline{\hspace{2cm}}$$

$$d) \frac{57x}{32} \div \frac{19x}{16} = \underline{\hspace{2cm}}$$

$$e) \frac{92}{7a} \div \frac{46}{77a} = \underline{\hspace{2cm}}$$

3. Add or subtract the following fractions

$$a) \frac{15}{32} + \frac{5}{32} = \underline{\hspace{2cm}}$$

$$b) \frac{10}{15} - \frac{5}{15} = \underline{\hspace{2cm}}$$

$$c) \frac{3}{4} + \frac{5}{6} = \underline{\hspace{2cm}}$$

$$d) \frac{7}{20} - \left(-\frac{5}{20}\right) = \underline{\hspace{2cm}}$$

$$e) \frac{5}{8} + \frac{1}{12} = \underline{\hspace{2cm}}$$

$$f) \frac{2}{7} + \frac{4}{21} + \frac{1}{3} = \underline{\hspace{2cm}}$$

$$g) \frac{8}{9} - \frac{5}{12} = \underline{\hspace{2cm}}$$

$$h) \frac{11}{24x} + \frac{5}{36x} = \underline{\hspace{2cm}}$$

$$i) \frac{11}{12a} - \frac{7}{18a} = \underline{\hspace{2cm}}$$

$$j) \frac{3}{4a} + \frac{6}{8a} - \frac{4}{12a} = \underline{\hspace{2cm}}$$