



Miss Robinson's

Maths Group



Homework



Autumn Week 3



Remember to set your work out clearly and write in pencil.

Please try all questions.

Please DO NOT print any of this homework. Write answers directly into your Homework Book and include any working out.

Arithmetic Warm Up

Order the following fractions from smallest to largest

Show ALL working out.

$$\frac{17}{30}$$

$$\frac{11}{15}$$

$$\frac{7}{6}$$

$$\frac{3}{5}$$

$$\frac{1}{3}$$

LI: to be able to convert improper fractions to mixed numbers
Leave your answers in their simplest/lowest form.

a) $\frac{16}{5} =$

e) $\frac{102}{14} =$

b) $\frac{12}{7} =$

f) $\frac{97}{6} =$

c) $\frac{25}{8} =$

g) $\frac{123}{15} =$

d) $\frac{36}{11} =$

h) $\frac{81}{7} =$

LI: to be able to convert mixed numbers to improper fractions
Leave your answers in their simplest/lowest form.

$$5\frac{2}{7} =$$

$$2\frac{4}{9} =$$

$$2\frac{5}{13} =$$

$$2\frac{3}{19} =$$

$$3\frac{4}{5} =$$

$$3\frac{5}{6} =$$

$$2\frac{5}{8} =$$

$$5\frac{5}{11} =$$

$$3\frac{5}{12} =$$

$$4\frac{3}{11} =$$

$$2\frac{1}{10} =$$

$$4\frac{4}{7} =$$

$$4\frac{11}{15} =$$

$$3\frac{5}{18} =$$

$$2\frac{5}{9} =$$

$$4\frac{1}{3} =$$

$$3\frac{3}{10} =$$

$$3\frac{3}{16} =$$

$$2\frac{5}{13} =$$

$$2\frac{7}{15} =$$

LI: to be able to multiply fractions

From today's lesson, remember that

$$\frac{3}{7} \times \frac{4}{5} = \frac{12}{35}$$

We simply multiply the two numerators then multiply the two denominators.

When we are multiplying by an integer, turn this to a fraction so:

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

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

$$9 = \frac{9}{1}$$

$$36 = \frac{36}{1}$$

LI: to be able to multiply fractions

$$1) \quad \frac{1}{3} \times \frac{1}{2} = \frac{\quad}{6}$$

$$2) \quad \frac{1}{5} \times 3 = \frac{\quad}{5}$$

$$3) \quad \frac{1}{2} \times \frac{3}{7} = \frac{\quad}{14}$$

$$4) \quad \frac{2}{3} \times 4 = \frac{\quad}{3}$$

$$5) \quad \frac{1}{6} \times \frac{3}{4} = \frac{\quad}{24}$$

$$6) \quad \frac{3}{4} \times 5 = \frac{\quad}{4}$$

$$7) \quad \frac{3}{7} \times \frac{4}{5} = \frac{\quad}{\quad}$$

$$8) \quad 7 \times \frac{4}{9} = \frac{\quad}{\quad}$$

$$9) \quad \frac{4}{9} \times \frac{1}{2} = \frac{\quad}{\quad}$$

$$10) \quad \frac{1}{8} \times \frac{3}{4} = \frac{\quad}{\quad}$$

$$11) \quad \frac{5}{7} \times \frac{2}{9} = \frac{\quad}{\quad}$$

$$12) \quad 8 \times \frac{7}{9} = \frac{\quad}{\quad}$$

$$13) \quad \frac{4}{7} \times \frac{5}{6} = \frac{\quad}{\quad}$$

$$14) \quad \frac{3}{8} \times \frac{4}{9} = \frac{\quad}{\quad}$$

$$15) \quad \frac{2}{7} \times \frac{8}{9} = \frac{\quad}{\quad}$$

$$16) \quad \frac{5}{8} \times 6 = \frac{\quad}{\quad}$$

$$17) \quad \frac{4}{7} \times \frac{5}{4} = \frac{\quad}{\quad}$$

$$18) \quad 11 \times \frac{3}{8} = \frac{\quad}{\quad}$$

LI: to be able to multiply fractions

$$1) \quad 2\frac{1}{3} \times \frac{3}{8} =$$

$$2) \quad 1\frac{5}{9} \times \frac{2}{7} =$$

$$3) \quad 2\frac{1}{4} \times \frac{7}{10} =$$

$$4) \quad 1\frac{6}{7} \times \frac{5}{6} =$$

$$5) \quad 4 \times 2\frac{2}{3} =$$

Next steps how do you think you will calculate these?
Give them a try.

Remember to bring any questions about the work into Monday's lesson.

Have a wonderful weekend!