FRACTION MULTIPLICATION

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Edition 1

MC MASTER COACHING

Lesson 01   Date:

Fractions

Simplify these fractions by dividing the top and the bottom by the same number :

1 **a** $\dfrac{5}{10}$ **b** $\dfrac{5}{15}$ **c** $\dfrac{30}{40}$

   d $\dfrac{10}{20}$ **e** $\dfrac{50}{60}$ **f** $\dfrac{40}{80}$

   g $\dfrac{50}{100}$ **h** $\dfrac{10}{15}$ **i** $\dfrac{3}{6}$

2 **a** $\dfrac{4}{8}$ **b** $\dfrac{8}{12}$ **c** $\dfrac{15}{20}$

   d $\dfrac{30}{50}$ **e** $\dfrac{12}{16}$ **f** $\dfrac{9}{12}$

   g $\dfrac{8}{10}$ **h** $\dfrac{12}{15}$ **i** $\dfrac{9}{18}$

3 **a** $\dfrac{25}{30}$ **b** $\dfrac{15}{18}$ **c** $\dfrac{30}{20}$

   d $\dfrac{12}{6}$ **e** $\dfrac{20}{16}$ **f** $\dfrac{40}{24}$

   g $\dfrac{48}{36}$ **h** $\dfrac{32}{24}$ **i** $\dfrac{56}{42}$

   j $\dfrac{36}{18}$ **k** $\dfrac{20}{24}$ **l** $\dfrac{25}{35}$

Lesson 5 Complete the following calculations.

$1\frac{1}{4} \times \frac{4}{5}$ = $\frac{5}{4} \times \frac{4}{5}$ =	$2\frac{4}{5} \times 1\frac{1}{7}$ = $\frac{14}{5} \times \frac{8}{7}$ =	$\frac{3}{8} \times 3\frac{1}{2}$ = $\frac{3}{8} \times \frac{7}{2}$ =	$\frac{6}{7} \times 1\frac{5}{6}$ = $\frac{6}{7} \times \frac{11}{6}$ =
$1\frac{2}{3} \times 1\frac{1}{3}$ = $\frac{5}{3} \times \frac{4}{3}$ =	$2\frac{1}{2} \times 1\frac{1}{5}$ = $\frac{5}{2} \times \frac{6}{5}$ =	$2\frac{1}{2} \times 1\frac{1}{2}$ = $- \times - $ =	$1\frac{3}{4} \times 1\frac{1}{3}$ = $- \times - $ =
$3\frac{1}{6} \times 12$ = $\frac{19}{4} \times \frac{}{1}$ =	$\frac{4}{5} \times 4\frac{1}{8}$ = $- \times - $ =	$3\frac{5}{6} \times 1\frac{1}{11}$ = $- \times - $ =	$2\frac{5}{6} \times 5\frac{1}{3}$ = $- \times - $ =
$1\frac{1}{4} \times 3\frac{1}{2}$ =	$3\frac{1}{2} \times 1\frac{1}{7}$ =	$1\frac{3}{8} \times 3\frac{3}{11}$ =	$2\frac{6}{7} \times 3\frac{1}{2}$ =
$1\frac{1}{2} \times 2\frac{2}{9}$ =	$3\frac{1}{5} \times 2\frac{1}{2}$ =	$3\frac{1}{2} \times 1\frac{5}{7}$ =	$5\frac{3}{5} \times 3\frac{4}{7}$ =
$\frac{5}{6} \times 1\frac{1}{5}$ =	$1\frac{1}{5} \times 1\frac{1}{3}$ =	$1\frac{6}{9} \times 3\frac{3}{5}$ =	$\frac{4}{7} \times 1\frac{2}{7}$ =

Lesson 5 Complete the following calculations.

$1\frac{1}{4} \times \frac{4}{5} = 1$ $\frac{5}{4} \times \frac{4}{5} =$	$2\frac{4}{5} \times 1\frac{1}{7} = 3\frac{1}{5}$ $\frac{14}{5} \times \frac{8}{7} =$	$\frac{3}{8} \times 3\frac{1}{2} = 1\frac{5}{16}$ $\frac{3}{8} \times \frac{7}{2} =$	$\frac{6}{7} \times 1\frac{5}{6} = 1\frac{4}{7}$ $\frac{6}{7} \times \frac{11}{6} =$
$1\frac{2}{3} \times 1\frac{1}{3} = 2\frac{2}{9}$ $\frac{5}{3} \times \frac{4}{3} =$	$2\frac{1}{2} \times 1\frac{1}{5} = 3$ $\frac{5}{2} \times \frac{6}{5} =$	$2\frac{1}{2} \times 1\frac{1}{2} = 3\frac{3}{4}$ $- \times - =$	$1\frac{3}{4} \times 1\frac{1}{3} = 2\frac{1}{3}$ $- \times - =$
$3\frac{1}{6} \times 12 = 38$ $\frac{19}{4} \times \frac{\;}{1} =$	$\frac{4}{5} \times 4\frac{1}{8} = 3\frac{3}{10}$ $- \times - =$	$3\frac{5}{6} \times 1\frac{1}{11} = 4\frac{2}{11}$ $- \times - =$	$2\frac{5}{6} \times 5\frac{1}{3} = 15\frac{1}{9}$ $- \times - =$
$1\frac{1}{4} \times 3\frac{1}{2} = 4\frac{3}{8}$	$3\frac{1}{2} \times 1\frac{1}{7} = 4$	$1\frac{3}{8} \times 3\frac{3}{11} = 4\frac{1}{2}$	$2\frac{6}{7} \times 3\frac{1}{2} = 10$
$1\frac{1}{2} \times 2\frac{2}{9} = 3\frac{1}{3}$	$3\frac{1}{5} \times 2\frac{1}{2} = 8$	$3\frac{1}{2} \times 1\frac{5}{7} = 6$	$5\frac{3}{5} \times 3\frac{4}{7} = 20$
$\frac{5}{6} \times 1\frac{1}{5} = 1$	$1\frac{1}{5} \times 1\frac{1}{3} = 1\frac{3}{5}$	$1\frac{6}{9} \times 3\frac{3}{5} = 6$	$\frac{4}{7} \times 1\frac{2}{7} = \frac{36}{49}$
$1\frac{3}{5} \times \frac{1}{5} = \frac{8}{25}$	$4\frac{1}{2} \times 2\frac{2}{3} = 12$	$\frac{4}{5} \times 1\frac{1}{8} = \frac{9}{10}$	$2\frac{3}{8} \times \frac{4}{19} = \frac{1}{2}$

Master Coaching Keys to Learning:

The following charter has been produced to prepare you the pursuit of excellence that leads to a life-time of rewards and fulfillment. This is a partnership agreement that allows both parties to mutually benefit from your time at Master Coaching

At the coaching session:

1. **Smile, relax, you are focused and in control**
2. **Concentrate, visualize, execute: claim the reward**
3. **Assume success. Our members should approach each test in life enthusiastically; every challenge presents an opportunity to demonstrate your prowess. Relish but don't underestimate the magnitude of the test, instead focus your thoughts towards a positive outcome, a chance to excel; a time to enjoy your moment in the sun.**

Master Coaching Pledge

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- that your welfare is the paramount consideration in everything that we do
- to be diligent in our preparations which directs our actions in support of you
- show care and give encouragement to you in your striving for excellence
- to personalise all our efforts to your specific needs in all areas
- to encourage you to dare to dream, and to expect that dreams do come true

My Commitment to Master Coaching

- to be honest in all my dealings and
- to accept their accolades and focus my efforts on achieving the zenith in all my endeavours
- to appreciate my cohorts and support them in any way possible
- to live the dream, strive for excellence in everything that I do
  visualise my ultimate success

Christian Avent

CHRISTIAN AVENT
B.Ed. NCAS Principal

Robert A Ollis

ROBERT A. OLLIS
B.Sc., Dip.Ed., M.Sc.
Founder, Master Coaching

Your complete satisfaction is the focus of everything we do.