

4.1 The Vulgar Fraction Races



4.1.1 Race #1

What You Need To Know :

Multiplying fractions is easy peasy, lemon squeezy !
 Multiply together the numerators.
 Multiply together the denominators.
 And that's it !
 Job done, son.

The easy peasy, lemon squeezy examples :

(i)

$$\frac{7}{11} \times \frac{5}{8}$$

(ii)

$$\frac{16}{13} \times \frac{2}{3}$$

(iii)

$$\frac{5}{17} \times \frac{5}{2}$$

Now run the first race.

4.1.2 Race #2

There is always a catch :

Before you.....

Multiply together the numerators

Multiply together the denominators

..... Look for the factor that cancels

(i)

$$\frac{6}{11} \times \frac{5}{12}$$

(ii)

$$\frac{7}{12} \times \frac{4}{5}$$

(iii)

$$\frac{15}{16} \times \frac{6}{25}$$

Now run the second race.

4.1.3 Race #3

B O D M A S :

You much work out...

... all multiplications first

Then the additions

Do NOT cancel common factors :

(i)

$$\frac{4}{7} \times \frac{4}{7} + \frac{3}{7} \times \frac{3}{7}$$

(ii)

$$\frac{1}{4} \times \frac{3}{5} + \frac{3}{4} \times \frac{2}{5}$$

(iii)

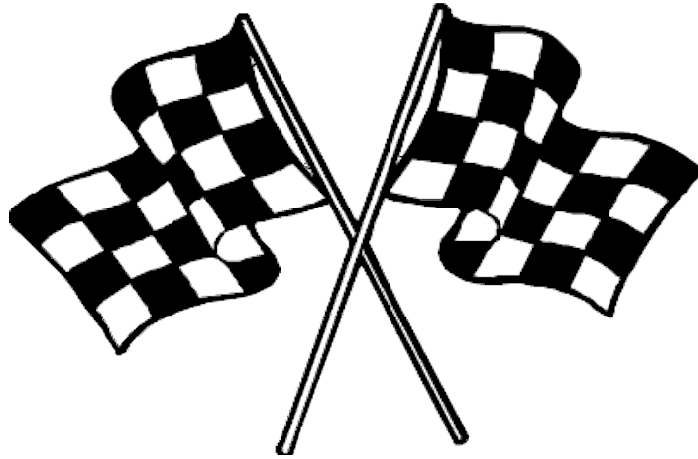
$$\frac{3}{8} \times \frac{4}{5} + \frac{1}{8} \times \frac{1}{5}$$

Now run the third race.

4.2 Exercise

Fractions Race N°. 1

Do NOT use a calculator



None of the answers cancel down

Target time : 10 minutes

If more than five wrong answers are given you are disqualified !

(a) $\frac{2}{5} \times \frac{3}{5}$

(b) $\frac{5}{7} \times \frac{1}{2}$

(c) $\frac{4}{3} \times \frac{2}{3}$

(d) $\frac{1}{10} \times \frac{7}{9}$

(e) $\frac{3}{11} \times \frac{5}{7}$

(f) $\frac{4}{5} \times \frac{6}{11}$

(g) $\frac{5}{6} \times \frac{5}{6}$

(h) $\frac{8}{9} \times \frac{4}{9}$

(i) $\frac{3}{10} \times \frac{9}{13}$

(j) $\frac{7}{9} \times \frac{7}{8}$

(k) $\frac{2}{15} \times \frac{7}{5}$

(l) $\frac{3}{4} \times \frac{7}{8}$

$$(m) \quad \frac{3}{8} \times \frac{5}{8}$$

$$(n) \quad \frac{7}{13} \times \frac{3}{10}$$

$$(o) \quad \frac{5}{9} \times \frac{4}{7}$$

$$(p) \quad \frac{14}{23} \times \frac{1}{3}$$

$$(q) \quad \frac{7}{9} \times \frac{4}{11}$$

$$(r) \quad \frac{5}{12} \times \frac{1}{3}$$

$$(s) \quad \frac{9}{11} \times \frac{9}{11}$$

$$(t) \quad \frac{5}{7} \times \frac{6}{7}$$

$$(u) \quad \frac{8}{9} \times \frac{4}{5}$$

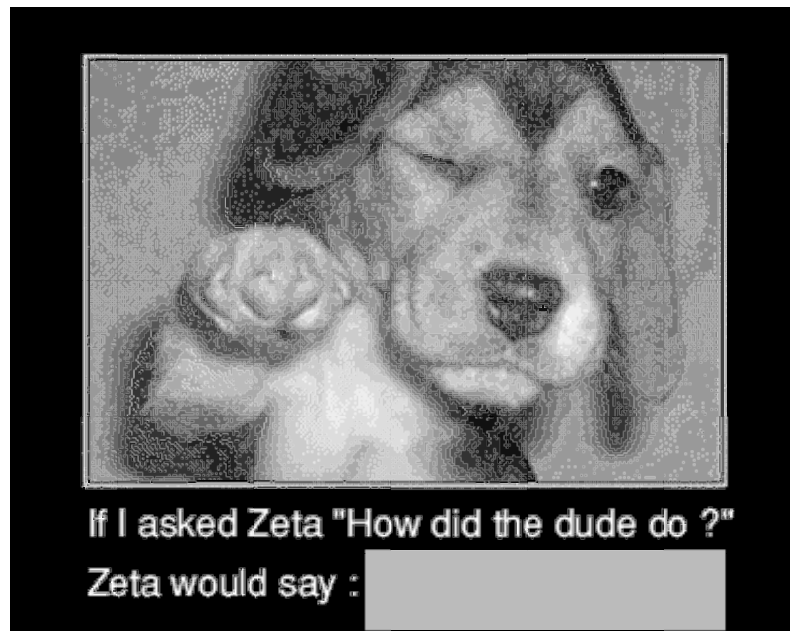
$$(v) \quad \frac{7}{8} \times \frac{3}{5}$$

$$(w) \quad \frac{7}{8} \times \frac{5}{6}$$

$$(x) \quad \frac{5}{9} \times \frac{7}{8}$$

$$(y) \quad \frac{6}{7} \times \frac{6}{7}$$

$$(z) \quad \frac{3}{7} \times \frac{9}{11}$$



This document is a part of a **Mathematics Community Outreach Project** initiated by Shrewsbury School

It may be freely duplicated and distributed, unaltered, for non-profit educational use

In October 2020, Shrewsbury School was voted "**Independent School of the Year 2020**"

© 2025 Number Wonder

Teachers may obtain detailed worked solutions to the exercises by email from MHHShrewsbury@Gmail.com