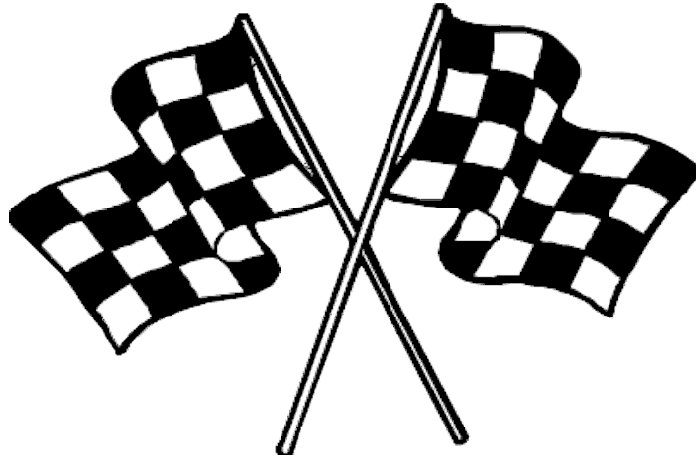


#### 4.4 Exercise

### Fractions Race N°. 3

Do NOT use a calculator



Multiply BEFORE adding  
Do not cancel down

*Target time : 15 minutes*

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

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

(b)  $\frac{1}{3} \times \frac{5}{7} + \frac{2}{3} \times \frac{3}{7}$

(c)  $\frac{3}{8} \times \frac{2}{3} + \frac{5}{8} \times \frac{1}{3}$

(d)  $\frac{3}{10} \times \frac{5}{8} + \frac{7}{10} \times \frac{3}{8}$

(e)  $\frac{1}{6} \times \frac{1}{6} + \frac{5}{6} \times \frac{5}{6}$

(f)  $\frac{3}{11} \times \frac{3}{5} + \frac{7}{11} \times \frac{2}{5}$

$$(g) \quad \frac{13}{20} \times \frac{2}{5} + \frac{7}{20} \times \frac{3}{5}$$

$$(h) \quad \frac{2}{9} \times \frac{7}{9} + \frac{4}{9} \times \frac{5}{9}$$

$$(i) \quad \frac{7}{10} \times \frac{3}{8} + \frac{3}{10} \times \frac{5}{8}$$

$$(j) \quad \frac{10}{11} \times \frac{6}{7} + \frac{2}{11} \times \frac{5}{7}$$

$$(k) \quad \frac{3}{8} \times \frac{7}{10} + \frac{5}{8} \times \frac{9}{10}$$

$$(l) \quad \frac{3}{4} \times \frac{3}{4} + \frac{1}{4} \times \frac{1}{4}$$

$$(m) \quad \frac{1}{10} \times \frac{9}{10} + \frac{3}{10} \times \frac{7}{10}$$

$$(n) \quad \frac{3}{13} \times \frac{3}{13} + \frac{1}{13} \times \frac{1}{13}$$

$$(o) \quad \frac{4}{5} \times \frac{4}{9} + \frac{3}{5} \times \frac{8}{9}$$

$$(p) \quad \frac{6}{11} \times \frac{8}{9} + \frac{5}{11} \times \frac{2}{9}$$

$$(q) \quad \frac{5}{9} \times \frac{6}{7} + \frac{4}{9} \times \frac{3}{7}$$

$$(r) \quad \frac{3}{17} \times \frac{3}{10} + \frac{4}{17} \times \frac{9}{10}$$

$$(s) \quad \frac{8}{21} \times \frac{5}{12} + \frac{7}{12} \times \frac{3}{21}$$

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

$$(u) \quad \frac{22}{25} \times \frac{1}{4} + \frac{6}{25} \times \frac{3}{4}$$

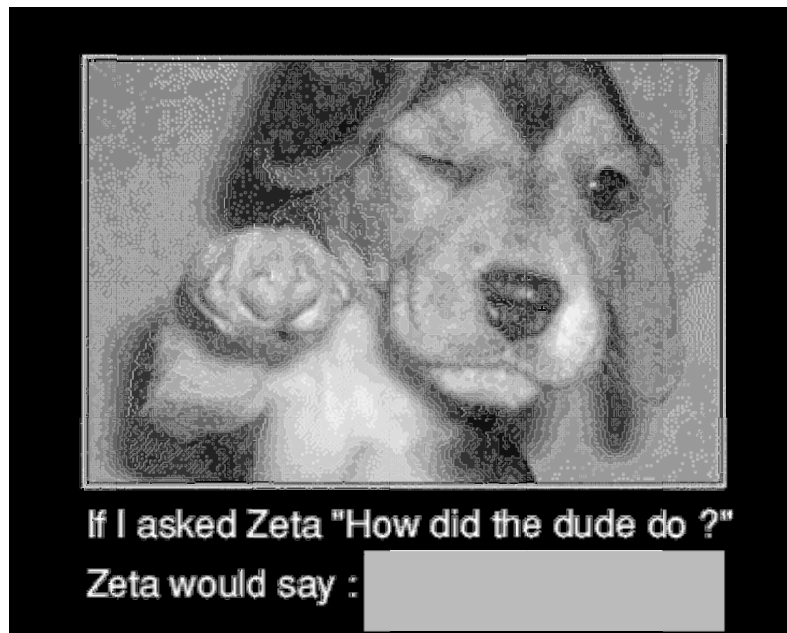
$$(v) \quad \frac{5}{9} \times \frac{6}{7} + \frac{5}{9} \times \frac{5}{7}$$

$$(w) \quad \frac{5}{12} \times \frac{3}{5} + \frac{7}{12} \times \frac{4}{5}$$

$$(x) \quad \frac{8}{11} \times \frac{8}{11} + \frac{7}{11} \times \frac{7}{11}$$

$$(y) \quad \frac{7}{10} \times \frac{5}{11} + \frac{3}{10} \times \frac{6}{11}$$

$$(z) \quad \frac{5}{9} \times \frac{6}{7} + \frac{4}{9} \times \frac{2}{7}$$



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

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Teachers may obtain detailed worked solutions to the exercises by email from [mhh@shrewsbury.org.uk](mailto:mhh@shrewsbury.org.uk)