

# 分数3

(分数の計算のくふう)

年 組 名前( )

次の分数の計算をしましょう。

$$(1) \left( \frac{3}{4} \times \frac{3}{5} \right) \times \frac{5}{3}$$

$$(2) \left( \frac{5}{9} \times \frac{8}{7} \right) \times \frac{7}{8}$$

$$(3) \left( \frac{2}{3} + \frac{1}{4} \right) \times 12$$

$$(4) \left( \frac{5}{6} + \frac{3}{5} \right) \times 30$$

$$(5) \left( \frac{5}{6} - \frac{1}{2} \right) \times 12$$

$$(6) \left( \frac{3}{4} - \frac{5}{8} \right) \times 16$$

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

$$(8) \frac{3}{5} \times \frac{7}{6} - \frac{3}{5} \times \frac{1}{6}$$

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

$$(10) \frac{7}{3} \times 8 - \frac{7}{3} \times 2$$

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$$(1) \left(\frac{3}{4} \times \frac{3}{5}\right) \times \frac{5}{3} = \frac{3}{4} \times \left(\frac{3}{5} \times \frac{5}{3}\right) = \frac{3}{4} \times 1 = \frac{3}{4}$$

$$(2) \left(\frac{5}{q} \times \frac{8}{7}\right) \times \frac{7}{8} = \frac{5}{q} \times \left(\frac{8}{7} \times \frac{7}{8}\right) = \frac{5}{q} \times 1 = \frac{5}{q}$$

$$(3) \left(\frac{2}{3} + \frac{1}{4}\right) \times 12 = \frac{2}{3} \times 12 + \frac{1}{4} \times 12 = 8 + 3 = 11$$

$$(4) \left(\frac{5}{6} + \frac{3}{5}\right) \times 30 = \frac{5}{6} \times 30 + \frac{3}{5} \times 30 = 25 + 18 = 43$$

$$(5) \left(\frac{5}{6} - \frac{1}{2}\right) \times 12 = \frac{5}{6} \times 12 - \frac{1}{2} \times 12 = 10 - 6 = 4$$

$$(6) \left(\frac{3}{4} - \frac{5}{8}\right) \times 16 = \frac{3}{4} \times 16 - \frac{5}{8} \times 16 = 12 - 10 = 2$$

$$(7) \frac{2}{7} \times \frac{2}{7} + \frac{2}{7} \times \frac{5}{7} = \frac{2}{7} \times \left(\frac{2}{7} + \frac{5}{7}\right) = \frac{2}{7} \times 1 = \frac{2}{7}$$

$$(8) \frac{3}{5} \times \frac{7}{6} - \frac{3}{5} \times \frac{1}{6} = \frac{3}{5} \times \left(\frac{7}{6} - \frac{1}{6}\right) = \frac{3}{5} \times 1 = \frac{3}{5}$$

$$(9) \frac{5}{6} \times 7 + \frac{5}{6} \times 5 = \frac{5}{6} \times (7 + 5) = \frac{5}{6} \times 12 = 10$$

$$(10) \frac{7}{3} \times 8 - \frac{7}{3} \times 2 = \frac{7}{3} \times (8 - 2) = \frac{7}{3} \times 6 = 14$$