

分数Ⅰ

(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。

$$(1) \left(\frac{3}{4} \times \frac{5}{7} \right) \times \frac{7}{5}$$

$$(2) \left(\frac{3}{5} \times \frac{9}{8} \right) \times \frac{8}{9}$$

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

$$(4) \left(\frac{1}{4} + \frac{2}{5} \right) \times 20$$

$$(5) \left(\frac{4}{7} - \frac{1}{2} \right) \times 14$$

$$(6) \left(\frac{3}{5} - \frac{1}{3} \right) \times 15$$

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

$$(8) \frac{5}{6} \times \frac{7}{4} - \frac{5}{6} \times \frac{3}{4}$$

$$(9) \frac{2}{3} \times 5 + \frac{2}{3} \times 4$$

$$(10) \frac{5}{7} \times 9 - \frac{5}{7} \times 2$$

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次の分数の計算をしましよう。

$$(1) \left(\frac{3}{4} \times \frac{5}{7}\right) \times \frac{7}{5} = \frac{3}{4} \times \left(\frac{5}{7} \times \frac{7}{5}\right) = \frac{3}{4} \times 1 = \frac{3}{4}$$

$$(2) \left(\frac{3}{5} \times \frac{9}{8}\right) \times \frac{8}{9} = \frac{3}{5} \times \left(\frac{9}{8} \times \frac{8}{9}\right) = \frac{3}{5} \times 1 = \frac{3}{5}$$

$$(3) \left(\frac{2}{3} + \frac{3}{4}\right) \times 12 = \frac{2}{3} \times 12 + \frac{3}{4} \times 12 = 8 + 9 = 17$$

$$(4) \left(\frac{1}{4} + \frac{2}{5}\right) \times 20 = \frac{1}{4} \times 20 + \frac{2}{5} \times 20 = 5 + 8 = 13$$

$$(5) \left(\frac{4}{7} - \frac{1}{2}\right) \times 14 = \frac{4}{7} \times 14 - \frac{1}{2} \times 14 = 8 - 7 = 1$$

$$(6) \left(\frac{3}{5} - \frac{1}{3}\right) \times 15 = \frac{3}{5} \times 15 - \frac{1}{3} \times 15 = 9 - 5 = 4$$

$$(7) \frac{2}{3} \times \frac{2}{5} + \frac{2}{3} \times \frac{3}{5} = \frac{2}{3} \times \left(\frac{2}{5} + \frac{3}{5}\right) = \frac{2}{3} \times 1 = \frac{2}{3}$$

$$(8) \frac{5}{6} \times \frac{7}{4} - \frac{5}{6} \times \frac{3}{4} = \frac{5}{6} \times \left(\frac{7}{4} - \frac{3}{4}\right) = \frac{5}{6} \times 1 = \frac{5}{6}$$

$$(9) \frac{2}{3} \times 5 + \frac{2}{3} \times 4 = \frac{2}{3} \times (5 + 4) = \frac{2}{3} \times 9 = 6$$

$$(10) \frac{5}{7} \times 9 - \frac{5}{7} \times 2 = \frac{5}{7} \times (9 - 2) = \frac{5}{7} \times 7 = 5$$