

NOM :

Prénom :

Date :

Classe :

Note:

Signatures des parents:

Compléter les calculs suivants :

$$\frac{6}{5} + \frac{9}{5} = \frac{\dots + \dots}{\dots} = \frac{\dots}{\dots} = \dots;$$

$$\frac{2}{3} + \frac{-5}{4} = \frac{2 \times \dots}{3 \times \dots} + \frac{(-5) \times \dots}{4 \times \dots} = \frac{\dots}{\dots} + \frac{\dots}{\dots} = \frac{\dots + \dots}{\dots} = \frac{\dots}{\dots} = -\frac{\dots}{\dots};$$

$$\frac{3}{5} - \frac{1}{5} = \frac{\dots - \dots}{\dots} = \frac{\dots}{\dots}; \quad \frac{3}{2} - \frac{-7}{6} = \frac{3 \times \dots}{2 \times \dots} - \frac{-7}{6} = \frac{\dots}{\dots} - \left(-\frac{\dots}{\dots} \right) = \frac{\dots}{\dots} + \frac{\dots}{\dots} = \frac{\dots + \dots}{\dots} = \frac{16}{\dots} = \frac{8 \times \dots}{3 \times \dots} = \frac{8}{3}$$

$$-\frac{1}{6} - \frac{5}{4} = \frac{-1}{\dots} + \left(-\frac{5}{\dots} \right) = \frac{-1}{\dots} + \frac{-5}{\dots} = \frac{(-1) \times 2}{6 \times 2} + \frac{(-5) \times \dots}{4 \times \dots} = \frac{\dots + \dots}{\dots} = \frac{-\dots}{\dots} = -\frac{\dots}{\dots};$$

$$\frac{2}{3} \times \frac{6}{5} = \frac{\dots \times \dots}{\dots \times \dots} = \frac{2 \times 3 \times 2}{\dots \times \dots} = \frac{2 \times \dots}{\dots} = \frac{\dots}{\dots}; \quad \frac{-9}{2} \times 14 = \frac{-9}{2} \times \frac{14}{\dots} = \frac{(-9) \times \dots \times \dots}{2 \times \dots} = \frac{(-9) \times \dots}{\dots} = \frac{-63}{\dots} = \dots$$

$$-\frac{45}{3} \times \frac{1}{-5} = -\frac{\dots}{\dots} \times \left(-\frac{1}{\dots} \right) = \frac{45}{3} \times \frac{1}{5} = \frac{\dots \times \dots \times 5 \times 1}{3 \times \dots} = 3; \quad \frac{123}{9} \times \frac{9}{123} = \dots$$

à retenir: un point pour chacun des quatre-vingts espaces correctement complétés.

On divise ensuite le total par 8, puis on arrondi au demi-point le plus proche pour obtenir une note sur 10.

UN PETIT CONTROLE SURPRISE

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$$\frac{3}{5} - \frac{1}{5} = \frac{\dots - \dots}{\dots} = \frac{\dots}{\dots}; \quad \frac{3}{2} - \frac{-7}{6} = \frac{3 \times \dots}{2 \times \dots} - \frac{-7}{6} = \frac{\dots}{\dots} - \left(-\frac{\dots}{\dots} \right) = \frac{\dots}{\dots} + \frac{\dots}{\dots} = \frac{\dots + \dots}{\dots} = \frac{16}{\dots} = \frac{8 \times \dots}{3 \times \dots} = \frac{8}{3}$$

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$$\frac{2}{3} \times \frac{6}{5} = \frac{\dots \times \dots}{\dots \times \dots} = \frac{2 \times 3 \times 2}{\dots \times \dots} = \frac{2 \times \dots}{\dots} = \frac{\dots}{\dots}; \quad \frac{-9}{2} \times 14 = \frac{-9}{2} \times \frac{14}{\dots} = \frac{(-9) \times \dots \times \dots}{2 \times \dots} = \frac{(-9) \times \dots}{\dots} = \frac{-63}{\dots} = \dots$$

$$-\frac{45}{3} \times \frac{1}{-5} = -\frac{\dots}{\dots} \times \left(-\frac{1}{\dots} \right) = \frac{45}{3} \times \frac{1}{5} = \frac{\dots \times \dots \times 5 \times 1}{3 \times \dots} = 3; \quad \frac{123}{9} \times \frac{9}{123} = \dots$$

à retenir: un point pour chacun des quatre-vingts espaces correctement complétés.

On divise ensuite le total par 8, puis on arrondi au demi-point le plus proche pour obtenir une note sur 10.

Correction du petit contrôle surprise du

$$\begin{aligned} \frac{6}{5} + \frac{9}{5} &= \frac{.6..+.9..}{.5..} = \frac{..15..}{.5..} = ..3.; \\ \frac{2}{3} + \frac{-5}{4} &= \frac{.5..}{2 \times .4.} + \frac{(-.5.) \times .3..}{4 \times .3..} = \frac{.8..}{..12..} + \frac{..-15.}{..12.} = \frac{.8.+(-15).}{.12.} = \frac{.-7.}{.12.} = -\frac{.7..}{.12.}; \\ \frac{3}{5} - \frac{1}{5} &= \frac{..3.-...1.}{.5..} = \frac{..2..}{.5..}; \quad \frac{3}{2} - \frac{-7}{6} = \frac{3 \times .3.}{2 \times .3.} - \frac{-7}{6} = \frac{.9.}{.6.} - \left(-\frac{.7.}{.6.} \right) = \frac{..9.}{.6.} + \frac{.7.}{.6.} = \frac{..9.+7..}{.6.} = \frac{16}{.6.} = \frac{8 \times \cancel{2}...}{3 \times \cancel{2}..} = \frac{8}{3}; \\ -\frac{1}{6} - \frac{5}{4} &= \frac{-1}{.6..} + \left(-\frac{5}{.4..} \right) = \frac{-1}{.6..} + \frac{-5}{.4..} = \frac{(-1) \times 2}{6 \times 2} + \frac{(-5) \times 3}{4 \times 3} = \frac{.-2.+(-15)..}{.12..} = \frac{.-17..}{.12..} = -\frac{.17..}{.12..}; \\ \frac{2}{3} \times \frac{6}{5} &= \frac{..2.. \times .6..}{.3.. \times .5..} = \frac{2 \times \cancel{3} \times 2}{\cancel{3} \times .5..} = \frac{2 \times .2..}{.5..} = \frac{.4..}{.5..}; \\ \frac{-45}{3} \times \frac{1}{-5} &= -\frac{.45.}{.3.} \times \left(-\frac{.1.}{.5.} \right) = \frac{45}{3} \times \frac{1}{5} = \frac{..3. \times \cancel{3} \times 5 \times 1}{\cancel{3} \times \cancel{5}..} = 3; \quad \frac{\cancel{123}}{\cancel{9}} \times \frac{\cancel{9}}{\cancel{123}} = .1. \end{aligned}$$

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