

Soustraire des fractions mixtes négatives (I)

Nom: _____

Date: _____

Note: _____

Calculez chaque différence.

1. $\left(-1\frac{5}{12}\right) - 1\frac{3}{5} =$

2. $\left(-2\frac{2}{9}\right) - 3\frac{6}{11} =$

3. $\left(-5\frac{3}{7}\right) - \left(-3\frac{2}{3}\right) =$

4. $\left(-1\frac{1}{2}\right) - \left(-4\frac{2}{3}\right) =$

5. $\left(-3\frac{3}{5}\right) - \left(-2\frac{1}{3}\right) =$

6. $\left(-2\frac{1}{4}\right) - \frac{2}{11} =$

7. $\left(-1\frac{5}{7}\right) - \left(-2\frac{1}{2}\right) =$

8. $\left(-4\frac{1}{8}\right) - \left(-4\frac{1}{9}\right) =$

9. $\left(-5\frac{5}{12}\right) - 1\frac{2}{7} =$

10. $\left(-3\frac{4}{11}\right) - \frac{2}{9} =$

Soustraire des fractions mixtes négatives (I) Réponses

Nom: _____

Date: _____

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Calculez chaque différence.

$$1. \left(-1\frac{5}{12}\right) - 1\frac{3}{5} = \left(-\frac{17}{12}\right) - \frac{8}{5} = \left(-\frac{85}{60}\right) - \frac{96}{60} = \left(-\frac{181}{60}\right) = \left(-3\frac{1}{60}\right)$$

$$2. \left(-2\frac{2}{9}\right) - 3\frac{6}{11} = \left(-\frac{20}{9}\right) - \frac{39}{11} = \left(-\frac{220}{99}\right) - \frac{351}{99} = \left(-\frac{571}{99}\right) = \left(-5\frac{76}{99}\right)$$

$$3. \left(-5\frac{3}{7}\right) - \left(-3\frac{2}{3}\right) = \left(-\frac{38}{7}\right) - \left(-\frac{11}{3}\right) = \left(-\frac{114}{21}\right) - \left(-\frac{77}{21}\right) = \left(-\frac{37}{21}\right) = \left(-1\frac{16}{21}\right)$$

$$4. \left(-1\frac{1}{2}\right) - \left(-4\frac{2}{3}\right) = \left(-\frac{3}{2}\right) - \left(-\frac{14}{3}\right) = \left(-\frac{9}{6}\right) - \left(-\frac{28}{6}\right) = \frac{19}{6} = 3\frac{1}{6}$$

$$5. \left(-3\frac{3}{5}\right) - \left(-2\frac{1}{3}\right) = \left(-\frac{18}{5}\right) - \left(-\frac{7}{3}\right) = \left(-\frac{54}{15}\right) - \left(-\frac{35}{15}\right) = \left(-\frac{19}{15}\right) = \left(-1\frac{4}{15}\right)$$

$$6. \left(-2\frac{1}{4}\right) - \frac{2}{11} = \left(-\frac{9}{4}\right) - \frac{2}{11} = \left(-\frac{99}{44}\right) - \frac{8}{44} = \left(-\frac{107}{44}\right) = \left(-2\frac{19}{44}\right)$$

$$7. \left(-1\frac{5}{7}\right) - \left(-2\frac{1}{2}\right) = \left(-\frac{12}{7}\right) - \left(-\frac{5}{2}\right) = \left(-\frac{24}{14}\right) - \left(-\frac{35}{14}\right) = \frac{11}{14}$$

$$8. \left(-4\frac{1}{8}\right) - \left(-4\frac{1}{9}\right) = \left(-\frac{33}{8}\right) - \left(-\frac{37}{9}\right) = \left(-\frac{297}{72}\right) - \left(-\frac{296}{72}\right) = \left(-\frac{1}{72}\right)$$

$$9. \left(-5\frac{5}{12}\right) - 1\frac{2}{7} = \left(-\frac{65}{12}\right) - \frac{9}{7} = \left(-\frac{455}{84}\right) - \frac{108}{84} = \left(-\frac{563}{84}\right) = \left(-6\frac{59}{84}\right)$$

$$10. \left(-3\frac{4}{11}\right) - \frac{2}{9} = \left(-\frac{37}{11}\right) - \frac{2}{9} = \left(-\frac{333}{99}\right) - \frac{22}{99} = \left(-\frac{355}{99}\right) = \left(-3\frac{58}{99}\right)$$