Questions rapides 1

A) $\dfrac{3}{4} + \dfrac{5}{6}$

B) $\dfrac{7}{8} \times \dfrac{12}{14}$

C) $\dfrac{5}{9} + \dfrac{3}{4} \div \dfrac{2}{3}$

Correction :

$$A : \dfrac{3}{4} + \dfrac{5}{6} = \dfrac{9}{12} + \dfrac{10}{12} = \dfrac{19}{12}$$

$$B : \dfrac{7}{8} \times \dfrac{12}{14} = \dfrac{84}{112} = \dfrac{3}{4}$$

$$C : \dfrac{5}{9} + \dfrac{3}{4} \div \dfrac{2}{3} = \dfrac{5}{9} + \dfrac{3}{4} \times \dfrac{3}{2} = \dfrac{5}{9} + \dfrac{9}{8} = \dfrac{40}{72} + \dfrac{81}{72} = \dfrac{121}{72}$$

Questions rapides 2

A) $\dfrac{4}{5} - \dfrac{3}{10}$

B) $\dfrac{9}{11} \div \dfrac{3}{22}$

C) $\dfrac{2}{3} + \dfrac{5}{8} \times \dfrac{3}{4}$

Correction :

$$A : \frac{4}{5} - \frac{3}{10} = \frac{8}{10} - \frac{3}{10} = \frac{5}{10} = \frac{1}{2}$$

$$B : \frac{9}{11} \div \frac{3}{22} = \frac{9}{11} \times \frac{22}{3} = \frac{198}{33} = 6$$

$$C : \frac{2}{3} + \frac{5}{8} \times \frac{3}{4} = \frac{2}{3} + \frac{15}{32} = \frac{64}{96} + \frac{45}{96} = \frac{109}{96}$$

Questions rapides 3

A) $\dfrac{7}{12} + \dfrac{5}{18}$

B) $\dfrac{10}{15} \times \dfrac{9}{20}$

C) $\dfrac{3}{8} - \dfrac{5}{6} \div \dfrac{5}{9}$

Correction :

$$A : \dfrac{7}{12} + \dfrac{5}{18} = \dfrac{21}{36} + \dfrac{10}{36} = \dfrac{31}{36}$$

$$B : \dfrac{10}{15} \times \dfrac{9}{20} = \dfrac{90}{300} = \dfrac{3}{10}$$

$$C : \dfrac{3}{8} - \dfrac{5}{6} \div \dfrac{5}{9} = \dfrac{3}{8} - \dfrac{5}{6} \times \dfrac{9}{5} = \dfrac{3}{8} - \dfrac{9}{6} = \dfrac{9}{24} - \dfrac{36}{24} = -\dfrac{27}{24} = -\dfrac{9}{8}$$

Questions rapides 4

A) $\dfrac{6}{7} - \dfrac{2}{14}$

B) $\dfrac{8}{9} \div \dfrac{4}{3}$

C) $\dfrac{2}{5} + \dfrac{3}{4} - \dfrac{1}{10}$

Correction :

A : $\dfrac{6}{7} - \dfrac{2}{14} = \dfrac{12}{14} - \dfrac{2}{14} = \dfrac{10}{14} = \dfrac{5}{7}$

B : $\dfrac{8}{9} \div \dfrac{4}{3} = \dfrac{8}{9} \times \dfrac{3}{4} = \dfrac{24}{36} = \dfrac{2}{3}$

C : $\dfrac{2}{5} + \dfrac{3}{4} - \dfrac{1}{10} = \dfrac{16}{40} + \dfrac{30}{40} - \dfrac{4}{40} = \dfrac{42}{40} = \dfrac{21}{20}$

Questions rapides 5

$$\text{A) } \frac{9}{10} + \frac{3}{5}$$

$$\text{B) } \frac{4}{7} \times \frac{14}{9}$$

$$\text{C) } \frac{1}{3} + \frac{3}{5} \div \frac{2}{5}$$

Correction :

$$A : \frac{9}{10} + \frac{3}{5} = \frac{9}{10} + \frac{6}{10} = \frac{15}{10} = \frac{3}{2}$$

$$B : \frac{4}{7} \times \frac{14}{9} = \frac{56}{63} = \frac{8}{9}$$

$$C : \frac{1}{3} + \frac{3}{5} \div \frac{2}{5} = \frac{1}{3} + \frac{3}{5} \times \frac{5}{2} = \frac{1}{3} + \frac{15}{10} = \frac{10}{30} + \frac{45}{30} = \frac{55}{30} = \frac{11}{6}$$

Questions rapides 6

A) $\dfrac{5}{6} - \dfrac{1}{8}$

B) $\dfrac{9}{10} \times \dfrac{5}{12}$

C) $\dfrac{3}{7} + \dfrac{5}{9} \div \dfrac{2}{3}$

Correction :

$A : \dfrac{5}{6} - \dfrac{1}{8} = \dfrac{20}{24} - \dfrac{3}{24} = \dfrac{17}{24}$

$B : \dfrac{9}{10} \times \dfrac{5}{12} = \dfrac{45}{120} = \dfrac{3}{8}$

$C : \dfrac{3}{7} + \dfrac{5}{9} \div \dfrac{2}{3} = \dfrac{3}{7} + \dfrac{5}{9} \times \dfrac{3}{2} = \dfrac{3}{7} + \dfrac{15}{18} = \dfrac{3}{7} + \dfrac{5}{6} = \dfrac{18}{42} + \dfrac{35}{42} = \dfrac{53}{42}$

Questions rapides 7

$$\text{A) } \frac{4}{9} + \frac{7}{12}$$

$$\text{B) } \frac{6}{11} \div \frac{3}{22}$$

$$\text{C) } \frac{2}{5} - \frac{1}{4} + \frac{3}{10}$$

Correction :

$$\text{A} : \frac{4}{9} + \frac{7}{12} = \frac{16}{36} + \frac{21}{36} = \frac{37}{36}$$

$$\text{B} : \frac{6}{11} \div \frac{3}{22} = \frac{6}{11} \times \frac{22}{3} = \frac{132}{33} = 4$$

$$\text{C} : \frac{2}{5} - \frac{1}{4} + \frac{3}{10} = \frac{8}{20} - \frac{5}{20} + \frac{6}{20} = \frac{9}{20}$$

Questions rapides 8

A) $\dfrac{7}{8} - \dfrac{3}{16}$

B) $\dfrac{10}{9} \times \dfrac{3}{5}$

C) $\dfrac{4}{6} + \dfrac{2}{3} \div \dfrac{5}{9}$

Correction :

$A : \dfrac{7}{8} - \dfrac{3}{16} = \dfrac{14}{16} - \dfrac{3}{16} = \dfrac{11}{16}$

$B : \dfrac{10}{9} \times \dfrac{3}{5} = \dfrac{30}{45} = \dfrac{2}{3}$

$C : \dfrac{4}{6} + \dfrac{2}{3} \div \dfrac{5}{9} = \dfrac{2}{3} + \dfrac{2}{3} \times \dfrac{9}{5} = \dfrac{2}{3} + \dfrac{18}{15} = \dfrac{10}{15} + \dfrac{18}{15} = \dfrac{28}{15}$

Questions rapides 9

$$\text{A) } \frac{5}{7} + \frac{4}{14}$$

$$\text{B) } \frac{8}{15} \div \frac{4}{9}$$

$$\text{C) } \frac{1}{2} - \frac{2}{5} \times \frac{3}{4}$$

Correction :

$$A : \frac{5}{7} + \frac{4}{14} = \frac{10}{14} + \frac{4}{14} = \frac{14}{14} = 1$$

$$B : \frac{8}{15} \div \frac{4}{9} = \frac{8}{15} \times \frac{9}{4} = \frac{72}{60} = \frac{6}{5}$$

$$C : \frac{1}{2} - \frac{2}{5} \times \frac{3}{4} = \frac{1}{2} - \frac{6}{20} = \frac{10}{20} - \frac{6}{20} = \frac{4}{20} = \frac{1}{5}$$

Questions rapides 10

A) $\dfrac{3}{5} - \dfrac{1}{10}$

B) $\dfrac{9}{8} \times \dfrac{4}{6}$

C) $\dfrac{7}{9} + \dfrac{3}{8} - \dfrac{5}{12}$

Correction :

A : $\dfrac{3}{5} - \dfrac{1}{10} = \dfrac{6}{10} - \dfrac{1}{10} = \dfrac{5}{10} = \dfrac{1}{2}$

B : $\dfrac{9}{8} \times \dfrac{4}{6} = \dfrac{36}{48} = \dfrac{3}{4}$

C : $\dfrac{7}{9} + \dfrac{3}{8} - \dfrac{5}{12} = \dfrac{56}{72} + \dfrac{27}{72} - \dfrac{30}{72} = \dfrac{53}{72}$

Questions rapides 11

A) $\dfrac{3}{8} + \dfrac{5}{12}$

B) $\dfrac{7}{9} \times \dfrac{15}{14}$

C) $\dfrac{4}{5} - \dfrac{2}{3} \div \dfrac{1}{2}$

Correction :

$$A : \dfrac{3}{8} + \dfrac{5}{12} = \dfrac{9}{24} + \dfrac{10}{24} = \dfrac{19}{24}$$

$$B : \dfrac{7}{9} \times \dfrac{15}{14} = \dfrac{105}{126} = \dfrac{5}{6}$$

$$C : \dfrac{4}{5} - \dfrac{2}{3} \div \dfrac{1}{2} = \dfrac{4}{5} - \dfrac{2}{3} \times 2 = \dfrac{4}{5} - \dfrac{4}{3} = \dfrac{12}{15} - \dfrac{20}{15} = -\dfrac{8}{15}$$

Questions rapides 12

A) $\dfrac{5}{6} - \dfrac{1}{3}$

B) $\dfrac{8}{15} \div \dfrac{4}{9}$

C) $\dfrac{2}{7} + \dfrac{3}{8} \times \dfrac{4}{5}$

Correction :

$A : \dfrac{5}{6} - \dfrac{1}{3} = \dfrac{5}{6} - \dfrac{2}{6} = \dfrac{3}{6} = \dfrac{1}{2}$

$B : \dfrac{8}{15} \div \dfrac{4}{9} = \dfrac{8}{15} \times \dfrac{9}{4} = \dfrac{72}{60} = \dfrac{6}{5}$

$C : \dfrac{2}{7} + \dfrac{3}{8} \times \dfrac{4}{5} = \dfrac{2}{7} + \dfrac{12}{40} = \dfrac{2}{7} + \dfrac{3}{10} = \dfrac{20}{70} + \dfrac{21}{70} = \dfrac{41}{70}$

Questions rapides 13

A) $\dfrac{9}{10} - \dfrac{2}{5}$

B) $\dfrac{3}{4} \times \dfrac{8}{9}$

C) $\dfrac{1}{2} + \dfrac{2}{3} - \dfrac{1}{4}$

Correction :

A : $\dfrac{9}{10} - \dfrac{2}{5} = \dfrac{9}{10} - \dfrac{4}{10} = \dfrac{5}{10} = \dfrac{1}{2}$

B : $\dfrac{3}{4} \times \dfrac{8}{9} = \dfrac{24}{36} = \dfrac{2}{3}$

C : $\dfrac{1}{2} + \dfrac{2}{3} - \dfrac{1}{4} = \dfrac{6}{12} + \dfrac{8}{12} - \dfrac{3}{12} = \dfrac{11}{12}$

Questions rapides 14

A) $\dfrac{4}{9} + \dfrac{5}{18}$

B) $\dfrac{7}{8} \div \dfrac{14}{15}$

C) $\dfrac{3}{5} + \dfrac{1}{6} \times \dfrac{9}{4}$

Correction :

$$A : \dfrac{4}{9} + \dfrac{5}{18} = \dfrac{8}{18} + \dfrac{5}{18} = \dfrac{13}{18}$$

$$B : \dfrac{7}{8} \div \dfrac{14}{15} = \dfrac{7}{8} \times \dfrac{15}{14} = \dfrac{105}{112} = \dfrac{15}{16}$$

$$C : \dfrac{3}{5} + \dfrac{1}{6} \times \dfrac{9}{4} = \dfrac{3}{5} + \dfrac{9}{24} = \dfrac{72}{120} + \dfrac{45}{120} = \dfrac{117}{120} = \dfrac{39}{40}$$

Questions rapides 15

A) $\dfrac{8}{15} - \dfrac{1}{10}$

B) $\dfrac{6}{7} \times \dfrac{14}{9}$

C) $\dfrac{5}{12} + \dfrac{3}{8} - \dfrac{1}{6}$

Correction :

$A : \dfrac{8}{15} - \dfrac{1}{10} = \dfrac{16}{30} - \dfrac{3}{30} = \dfrac{13}{30}$

$B : \dfrac{6}{7} \times \dfrac{14}{9} = \dfrac{84}{63} = \dfrac{4}{3}$

$C : \dfrac{5}{12} + \dfrac{3}{8} - \dfrac{1}{6} = \dfrac{10}{24} + \dfrac{9}{24} - \dfrac{4}{24} = \dfrac{15}{24} = \dfrac{5}{8}$

Questions rapides 16

$$\text{A)} \quad \frac{7}{9} + \frac{5}{18}$$

$$\text{B)} \quad \frac{8}{15} \times \frac{9}{16}$$

$$\text{C)} \quad \frac{2}{3} - \frac{3}{8} \div \frac{1}{4}$$

Correction :

$$A : \frac{7}{9} + \frac{5}{18} = \frac{14}{18} + \frac{5}{18} = \frac{19}{18}$$

$$B : \frac{8}{15} \times \frac{9}{16} = \frac{72}{240} = \frac{3}{10}$$

$$C : \frac{2}{3} - \frac{3}{8} \div \frac{1}{4} = \frac{2}{3} - \frac{3}{8} \times 4 = \frac{2}{3} - \frac{12}{8} = \frac{16}{24} - \frac{36}{24} = -\frac{20}{24} = -\frac{5}{6}$$

Questions rapides 17

A) $\dfrac{4}{7} - \dfrac{2}{14}$

B) $\dfrac{10}{9} \div \dfrac{5}{6}$

C) $\dfrac{3}{5} + \dfrac{2}{3} \times \dfrac{1}{2}$

Correction :

A : $\dfrac{4}{7} - \dfrac{2}{14} = \dfrac{8}{14} - \dfrac{2}{14} = \dfrac{6}{14} = \dfrac{3}{7}$

B : $\dfrac{10}{9} \div \dfrac{5}{6} = \dfrac{10}{9} \times \dfrac{6}{5} = \dfrac{60}{45} = \dfrac{4}{3}$

C : $\dfrac{3}{5} + \dfrac{2}{3} \times \dfrac{1}{2} = \dfrac{3}{5} + \dfrac{2}{6} = \dfrac{9}{15} + \dfrac{5}{15} = \dfrac{14}{15}$

Questions rapides 18

A) $\dfrac{5}{8} + \dfrac{3}{16}$

B) $\dfrac{9}{10} \times \dfrac{4}{9}$

C) $\dfrac{2}{5} - \dfrac{3}{7} + \dfrac{1}{2}$

Correction :

$A : \dfrac{5}{8} + \dfrac{3}{16} = \dfrac{10}{16} + \dfrac{3}{16} = \dfrac{13}{16}$

$B : \dfrac{9}{10} \times \dfrac{4}{9} = \dfrac{36}{90} = \dfrac{2}{5}$

$C : \dfrac{2}{5} - \dfrac{3}{7} + \dfrac{1}{2} = \dfrac{28}{70} - \dfrac{30}{70} + \dfrac{35}{70} = \dfrac{33}{70}$

Questions rapides 19

A) $\dfrac{11}{12} - \dfrac{5}{8}$

B) $\dfrac{3}{7} \times \dfrac{14}{9}$

C) $\dfrac{4}{9} + \dfrac{2}{3} \div \dfrac{5}{6}$

Correction :

$$A : \dfrac{11}{12} - \dfrac{5}{8} = \dfrac{22}{24} - \dfrac{15}{24} = \dfrac{7}{24}$$

$$B : \dfrac{3}{7} \times \dfrac{14}{9} = \dfrac{42}{63} = \dfrac{2}{3}$$

$$C : \dfrac{4}{9} + \dfrac{2}{3} \div \dfrac{5}{6} = \dfrac{4}{9} + \dfrac{2}{3} \times \dfrac{6}{5} = \dfrac{4}{9} + \dfrac{12}{15} = \dfrac{20}{45} + \dfrac{36}{45} = \dfrac{56}{45}$$

Questions rapides 20

A) $\dfrac{3}{5} + \dfrac{7}{10}$

B) $\dfrac{12}{15} \div \dfrac{8}{9}$

C) $\dfrac{2}{3} - \dfrac{1}{4} + \dfrac{3}{8}$

Correction :

A : $\dfrac{3}{5} + \dfrac{7}{10} = \dfrac{6}{10} + \dfrac{7}{10} = \dfrac{13}{10}$

B : $\dfrac{12}{15} \div \dfrac{8}{9} = \dfrac{12}{15} \times \dfrac{9}{8} = \dfrac{108}{120} = \dfrac{9}{10}$

C : $\dfrac{2}{3} - \dfrac{1}{4} + \dfrac{3}{8} = \dfrac{16}{24} - \dfrac{6}{24} + \dfrac{9}{24} = \dfrac{19}{24}$

Questions rapides 21

A) $\dfrac{2}{3} + \dfrac{5}{9}$

B) $\dfrac{7}{8} \times \dfrac{4}{5}$

C) $\dfrac{3}{4} - \dfrac{1}{2} \div \dfrac{2}{3}$

Correction :

$$A : \dfrac{2}{3} + \dfrac{5}{9} = \dfrac{6}{9} + \dfrac{5}{9} = \dfrac{11}{9}$$

$$B : \dfrac{7}{8} \times \dfrac{4}{5} = \dfrac{28}{40} = \dfrac{7}{10}$$

$$C : \dfrac{3}{4} - \dfrac{1}{2} \div \dfrac{2}{3} = \dfrac{3}{4} - \dfrac{1}{2} \times \dfrac{3}{2} = \dfrac{3}{4} - \dfrac{3}{4} = 0$$

Questions rapides 22

$$A) \ \frac{5}{7} - \frac{2}{14}$$

$$B) \ \frac{9}{10} \div \frac{3}{5}$$

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

Correction :

$$A : \frac{5}{7} - \frac{2}{14} = \frac{10}{14} - \frac{2}{14} = \frac{8}{14} = \frac{4}{7}$$

$$B : \frac{9}{10} \div \frac{3}{5} = \frac{9}{10} \times \frac{5}{3} = \frac{45}{30} = \frac{3}{2}$$

$$C : \frac{2}{3} + \frac{1}{4} \times \frac{3}{5} = \frac{2}{3} + \frac{3}{20} = \frac{40}{60} + \frac{9}{60} = \frac{49}{60}$$

Questions rapides 23

$$A) \ \frac{3}{5} + \frac{4}{15}$$

$$B) \ \frac{8}{9} \times \frac{3}{16}$$

$$C) \ \frac{1}{2} + \frac{2}{3} - \frac{1}{6}$$

Correction :

$$A : \frac{3}{5} + \frac{4}{15} = \frac{9}{15} + \frac{4}{15} = \frac{13}{15}$$

$$B : \frac{8}{9} \times \frac{3}{16} = \frac{24}{144} = \frac{1}{6}$$

$$C : \frac{1}{2} + \frac{2}{3} - \frac{1}{6} = \frac{3}{6} + \frac{4}{6} - \frac{1}{6} = \frac{6}{6} = 1$$

Questions rapides 24

$$\text{A) } \frac{6}{7} - \frac{2}{21}$$

$$\text{B) } \frac{5}{8} \div \frac{15}{16}$$

$$\text{C) } \frac{4}{9} + \frac{2}{3} \times \frac{3}{8}$$

Correction :

$$A : \frac{6}{7} - \frac{2}{21} = \frac{18}{21} - \frac{2}{21} = \frac{16}{21}$$

$$B : \frac{5}{8} \div \frac{15}{16} = \frac{5}{8} \times \frac{16}{15} = \frac{80}{120} = \frac{2}{3}$$

$$C : \frac{4}{9} + \frac{2}{3} \times \frac{3}{8} = \frac{4}{9} + \frac{6}{24} = \frac{4}{9} + \frac{1}{4} = \frac{16}{36} + \frac{9}{36} = \frac{25}{36}$$

Questions rapides 25

A) $\dfrac{9}{10} - \dfrac{2}{5}$

B) $\dfrac{7}{12} \times \dfrac{3}{14}$

C) $\dfrac{5}{6} + \dfrac{2}{9} - \dfrac{1}{3}$

Correction :

$$A : \dfrac{9}{10} - \dfrac{2}{5} = \dfrac{9}{10} - \dfrac{4}{10} = \dfrac{5}{10} = \dfrac{1}{2}$$

$$B : \dfrac{7}{12} \times \dfrac{3}{14} = \dfrac{21}{168} = \dfrac{1}{8}$$

$$C : \dfrac{5}{6} + \dfrac{2}{9} - \dfrac{1}{3} = \dfrac{15}{18} + \dfrac{4}{18} - \dfrac{6}{18} = \dfrac{13}{18}$$

Questions rapides 26

A) $\dfrac{4}{5} + \dfrac{3}{10}$

B) $\dfrac{8}{9} \div \dfrac{4}{3}$

C) $\dfrac{2}{7} + \dfrac{3}{4} - \dfrac{1}{2}$

Correction :

A : $\dfrac{4}{5} + \dfrac{3}{10} = \dfrac{8}{10} + \dfrac{3}{10} = \dfrac{11}{10}$

B : $\dfrac{8}{9} \div \dfrac{4}{3} = \dfrac{8}{9} \times \dfrac{3}{4} = \dfrac{24}{36} = \dfrac{2}{3}$

C : $\dfrac{2}{7} + \dfrac{3}{4} - \dfrac{1}{2} = \dfrac{8}{28} + \dfrac{21}{28} - \dfrac{14}{28} = \dfrac{15}{28}$

Questions rapides 27

$$A) \ \frac{9}{12} - \frac{1}{8}$$

$$B) \ \frac{5}{6} \times \frac{9}{10}$$

$$C) \ \frac{4}{9} + \frac{1}{3} \div \frac{2}{5}$$

Correction :

$$A : \frac{9}{12} - \frac{1}{8} = \frac{6}{8} - \frac{1}{8} = \frac{5}{8}$$

$$B : \frac{5}{6} \times \frac{9}{10} = \frac{45}{60} = \frac{3}{4}$$

$$C : \frac{4}{9} + \frac{1}{3} \div \frac{2}{5} = \frac{4}{9} + \frac{1}{3} \times \frac{5}{2} = \frac{4}{9} + \frac{5}{6} = \frac{8}{18} + \frac{15}{18} = \frac{23}{18}$$

Questions rapides 28

A) $\dfrac{2}{3} + \dfrac{4}{9}$

B) $\dfrac{7}{8} \times \dfrac{16}{21}$

C) $\dfrac{3}{5} - \dfrac{1}{6} + \dfrac{2}{9}$

Correction :

$$A : \dfrac{2}{3} + \dfrac{4}{9} = \dfrac{6}{9} + \dfrac{4}{9} = \dfrac{10}{9}$$

$$B : \dfrac{7}{8} \times \dfrac{16}{21} = \dfrac{112}{168} = \dfrac{2}{3}$$

$$C : \dfrac{3}{5} - \dfrac{1}{6} + \dfrac{2}{9} = \dfrac{54}{90} - \dfrac{15}{90} + \dfrac{20}{90} = \dfrac{59}{90}$$

Questions rapides 29

A) $\dfrac{5}{7} - \dfrac{2}{21}$

B) $\dfrac{9}{10} \div \dfrac{6}{15}$

C) $\dfrac{4}{9} + \dfrac{1}{2} - \dfrac{1}{3}$

Correction :

$$A : \dfrac{5}{7} - \dfrac{2}{21} = \dfrac{15}{21} - \dfrac{2}{21} = \dfrac{13}{21}$$

$$B : \dfrac{9}{10} \div \dfrac{6}{15} = \dfrac{9}{10} \times \dfrac{15}{6} = \dfrac{135}{60} = \dfrac{9}{4}$$

$$C : \dfrac{4}{9} + \dfrac{1}{2} - \dfrac{1}{3} = \dfrac{8}{18} + \dfrac{9}{18} - \dfrac{6}{18} = \dfrac{11}{18}$$

Questions rapides 30

A) $\dfrac{11}{12} - \dfrac{2}{9}$

B) $\dfrac{3}{5} \times \dfrac{10}{9}$

C) $\dfrac{2}{3} + \dfrac{4}{5} \div \dfrac{8}{9}$

Correction :

$$A : \dfrac{11}{12} - \dfrac{2}{9} = \dfrac{33}{36} - \dfrac{8}{36} = \dfrac{25}{36}$$

$$B : \dfrac{3}{5} \times \dfrac{10}{9} = \dfrac{30}{45} = \dfrac{2}{3}$$

$$C : \dfrac{2}{3} + \dfrac{4}{5} \div \dfrac{8}{9} = \dfrac{2}{3} + \dfrac{4}{5} \times \dfrac{9}{8} = \dfrac{2}{3} + \dfrac{36}{40} = \dfrac{80}{120} + \dfrac{108}{120} = \dfrac{188}{120} = \dfrac{47}{30}$$

Questions rapides 31

A) $\dfrac{3}{4} + \dfrac{5}{8}$

B) $\dfrac{9}{10} \div \dfrac{3}{5}$

C) $\dfrac{2}{3} - \dfrac{1}{4} + \dfrac{1}{6}$

Correction :

A : $\dfrac{3}{4} + \dfrac{5}{8} = \dfrac{6}{8} + \dfrac{5}{8} = \dfrac{11}{8}$

B : $\dfrac{9}{10} \div \dfrac{3}{5} = \dfrac{9}{10} \times \dfrac{5}{3} = \dfrac{45}{30} = \dfrac{3}{2}$

C : $\dfrac{2}{3} - \dfrac{1}{4} + \dfrac{1}{6} = \dfrac{8}{12} - \dfrac{3}{12} + \dfrac{2}{12} = \dfrac{7}{12}$

Questions rapides 32

$$\text{A) } \frac{7}{9} - \frac{2}{27}$$

$$\text{B) } \frac{8}{15} \times \frac{9}{16}$$

$$\text{C) } \frac{5}{8} + \frac{3}{4} \div \frac{2}{3}$$

Correction :

$$A : \frac{7}{9} - \frac{2}{27} = \frac{21}{27} - \frac{2}{27} = \frac{19}{27}$$

$$B : \frac{8}{15} \times \frac{9}{16} = \frac{72}{240} = \frac{3}{10}$$

$$C : \frac{5}{8} + \frac{3}{4} \div \frac{2}{3} = \frac{5}{8} + \frac{3}{4} \times \frac{3}{2} = \frac{5}{8} + \frac{9}{8} = \frac{14}{8} = \frac{7}{4}$$

Questions rapides 33

$$A) \ \frac{5}{6} + \frac{1}{9}$$

$$B) \ \frac{10}{7} \div \frac{5}{14}$$

$$C) \ \frac{1}{2} + \frac{3}{5} - \frac{2}{3}$$

Correction :

$$A : \frac{5}{6} + \frac{1}{9} = \frac{15}{18} + \frac{2}{18} = \frac{17}{18}$$

$$B : \frac{10}{7} \div \frac{5}{14} = \frac{10}{7} \times \frac{14}{5} = \frac{140}{35} = 4$$

$$C : \frac{1}{2} + \frac{3}{5} - \frac{2}{3} = \frac{15}{30} + \frac{18}{30} - \frac{20}{30} = \frac{13}{30}$$

Questions rapides 34

$$A) \ \frac{3}{5} + \frac{2}{15}$$

$$B) \ \frac{7}{9} \times \frac{6}{14}$$

$$C) \ \frac{2}{3} - \frac{4}{5} \div \frac{2}{9}$$

Correction :

$$A : \frac{3}{5} + \frac{2}{15} = \frac{9}{15} + \frac{2}{15} = \frac{11}{15}$$

$$B : \frac{7}{9} \times \frac{6}{14} = \frac{42}{126} = \frac{1}{3}$$

$$C : \frac{2}{3} - \frac{4}{5} \div \frac{2}{9} = \frac{2}{3} - \frac{4}{5} \times \frac{9}{2} = \frac{2}{3} - \frac{36}{10} = \frac{20}{30} - \frac{108}{30} = -\frac{88}{30} = -\frac{44}{15}$$

Questions rapides 35

A) $\dfrac{11}{12} - \dfrac{5}{8}$

B) $\dfrac{3}{7} \times \dfrac{14}{9}$

C) $\dfrac{4}{5} + \dfrac{2}{3} - \dfrac{1}{2}$

Correction :

$$A : \dfrac{11}{12} - \dfrac{5}{8} = \dfrac{22}{24} - \dfrac{15}{24} = \dfrac{7}{24}$$

$$B : \dfrac{3}{7} \times \dfrac{14}{9} = \dfrac{42}{63} = \dfrac{2}{3}$$

$$C : \dfrac{4}{5} + \dfrac{2}{3} - \dfrac{1}{2} = \dfrac{24}{30} + \dfrac{20}{30} - \dfrac{15}{30} = \dfrac{29}{30}$$

Questions rapides 36

A) $\dfrac{7}{8} + \dfrac{3}{16}$

B) $\dfrac{5}{6} \times \dfrac{9}{10}$

C) $\dfrac{3}{4} + \dfrac{1}{2} \div \dfrac{3}{5}$

Correction :

$$A : \dfrac{7}{8} + \dfrac{3}{16} = \dfrac{14}{16} + \dfrac{3}{16} = \dfrac{17}{16}$$

$$B : \dfrac{5}{6} \times \dfrac{9}{10} = \dfrac{45}{60} = \dfrac{3}{4}$$

$$C : \dfrac{3}{4} + \dfrac{1}{2} \div \dfrac{3}{5} = \dfrac{3}{4} + \dfrac{1}{2} \times \dfrac{5}{3} = \dfrac{3}{4} + \dfrac{5}{6} = \dfrac{9}{12} + \dfrac{10}{12} = \dfrac{19}{12}$$

Questions rapides 37

A) $\dfrac{2}{5} + \dfrac{7}{10}$

B) $\dfrac{8}{9} \div \dfrac{4}{3}$

C) $\dfrac{3}{7} + \dfrac{5}{6} - \dfrac{1}{2}$

Correction :

$$A : \frac{2}{5} + \frac{7}{10} = \frac{4}{10} + \frac{7}{10} = \frac{11}{10}$$

$$B : \frac{8}{9} \div \frac{4}{3} = \frac{8}{9} \times \frac{3}{4} = \frac{24}{36} = \frac{2}{3}$$

$$C : \frac{3}{7} + \frac{5}{6} - \frac{1}{2} = \frac{18}{42} + \frac{35}{42} - \frac{21}{42} = \frac{32}{42} = \frac{16}{21}$$

Questions rapides 38

A) $\dfrac{4}{9} - \dfrac{1}{6}$

B) $\dfrac{7}{8} \times \dfrac{3}{14}$

C) $\dfrac{2}{3} + \dfrac{3}{5} \div \dfrac{4}{9}$

Correction :

$A : \dfrac{4}{9} - \dfrac{1}{6} = \dfrac{8}{18} - \dfrac{3}{18} = \dfrac{5}{18}$

$B : \dfrac{7}{8} \times \dfrac{3}{14} = \dfrac{21}{112} = \dfrac{3}{16}$

$C : \dfrac{2}{3} + \dfrac{3}{5} \div \dfrac{4}{9} = \dfrac{2}{3} + \dfrac{3}{5} \times \dfrac{9}{4} = \dfrac{2}{3} + \dfrac{27}{20} = \dfrac{40}{60} + \dfrac{81}{60} = \dfrac{121}{60}$

Questions rapides 39

A) $\dfrac{11}{12} - \dfrac{2}{9}$

B) $\dfrac{10}{11} \div \dfrac{5}{6}$

C) $\dfrac{1}{2} + \dfrac{3}{8} - \dfrac{1}{4}$

Correction :

$A : \dfrac{11}{12} - \dfrac{2}{9} = \dfrac{33}{36} - \dfrac{8}{36} = \dfrac{25}{36}$

$B : \dfrac{10}{11} \div \dfrac{5}{6} = \dfrac{10}{11} \times \dfrac{6}{5} = \dfrac{60}{55} = \dfrac{12}{11}$

$C : \dfrac{1}{2} + \dfrac{3}{8} - \dfrac{1}{4} = \dfrac{4}{8} + \dfrac{3}{8} - \dfrac{2}{8} = \dfrac{5}{8}$

Questions rapides 40

A) $\dfrac{7}{10} + \dfrac{3}{5}$

B) $\dfrac{4}{7} \times \dfrac{14}{9}$

C) $\dfrac{2}{3} + \dfrac{5}{8} - \dfrac{1}{4}$

Correction :

A : $\dfrac{7}{10} + \dfrac{3}{5} = \dfrac{7}{10} + \dfrac{6}{10} = \dfrac{13}{10}$

B : $\dfrac{4}{7} \times \dfrac{14}{9} = \dfrac{56}{63} = \dfrac{8}{9}$

C : $\dfrac{2}{3} + \dfrac{5}{8} - \dfrac{1}{4} = \dfrac{16}{24} + \dfrac{15}{24} - \dfrac{6}{24} = \dfrac{25}{24}$

Questions rapides 41

A) $\dfrac{3}{4} + \dfrac{5}{6}$

B) $\dfrac{7}{8} \times \dfrac{4}{5}$

C) $\dfrac{2}{3} + \dfrac{3}{5} - \dfrac{1}{2}$

Correction :

$$A : \dfrac{3}{4} + \dfrac{5}{6} = \dfrac{9}{12} + \dfrac{10}{12} = \dfrac{19}{12}$$

$$B : \dfrac{7}{8} \times \dfrac{4}{5} = \dfrac{28}{40} = \dfrac{7}{10}$$

$$C : \dfrac{2}{3} + \dfrac{3}{5} - \dfrac{1}{2} = \dfrac{20}{30} + \dfrac{18}{30} - \dfrac{15}{30} = \dfrac{23}{30}$$

Questions rapides 42

A) $\dfrac{9}{10} - \dfrac{3}{5}$

B) $\dfrac{6}{7} \div \dfrac{9}{14}$

C) $\dfrac{5}{8} + \dfrac{3}{4} \div \dfrac{2}{3}$

Correction :

$$A : \dfrac{9}{10} - \dfrac{3}{5} = \dfrac{9}{10} - \dfrac{6}{10} = \dfrac{3}{10}$$

$$B : \dfrac{6}{7} \div \dfrac{9}{14} = \dfrac{6}{7} \times \dfrac{14}{9} = \dfrac{84}{63} = \dfrac{4}{3}$$

$$C : \dfrac{5}{8} + \dfrac{3}{4} \div \dfrac{2}{3} = \dfrac{5}{8} + \dfrac{3}{4} \times \dfrac{3}{2} = \dfrac{5}{8} + \dfrac{9}{8} = \dfrac{14}{8} = \dfrac{7}{4}$$

Questions rapides 43

$$A) \ \frac{4}{9} + \frac{7}{18}$$

$$B) \ \frac{8}{15} \times \frac{9}{16}$$

$$C) \ \frac{3}{5} - \frac{2}{3} + \frac{1}{6}$$

Correction :

$$A : \frac{4}{9} + \frac{7}{18} = \frac{8}{18} + \frac{7}{18} = \frac{15}{18} = \frac{5}{6}$$

$$B : \frac{8}{15} \times \frac{9}{16} = \frac{72}{240} = \frac{3}{10}$$

$$C : \frac{3}{5} - \frac{2}{3} + \frac{1}{6} = \frac{18}{30} - \frac{20}{30} + \frac{5}{30} = \frac{3}{30} = \frac{1}{10}$$

Questions rapides 44

A) $\dfrac{5}{6} - \dfrac{1}{4}$

B) $\dfrac{7}{8} \div \dfrac{14}{15}$

C) $\dfrac{1}{3} + \dfrac{2}{5} \times \dfrac{3}{4}$

Correction :

A : $\dfrac{5}{6} - \dfrac{1}{4} = \dfrac{10}{12} - \dfrac{3}{12} = \dfrac{7}{12}$

B : $\dfrac{7}{8} \div \dfrac{14}{15} = \dfrac{7}{8} \times \dfrac{15}{14} = \dfrac{105}{112} = \dfrac{15}{16}$

C : $\dfrac{1}{3} + \dfrac{2}{5} \times \dfrac{3}{4} = \dfrac{1}{3} + \dfrac{6}{20} = \dfrac{1}{3} + \dfrac{3}{10} = \dfrac{10}{30} + \dfrac{9}{30} = \dfrac{19}{30}$

Questions rapides 45

$$A) \ \frac{9}{10} + \frac{3}{5}$$

$$B) \ \frac{4}{9} \times \frac{15}{8}$$

$$C) \ \frac{2}{3} + \frac{5}{6} - \frac{1}{4}$$

Correction :

$$A : \frac{9}{10} + \frac{3}{5} = \frac{9}{10} + \frac{6}{10} = \frac{15}{10} = \frac{3}{2}$$

$$B : \frac{4}{9} \times \frac{15}{8} = \frac{60}{72} = \frac{5}{6}$$

$$C : \frac{2}{3} + \frac{5}{6} - \frac{1}{4} = \frac{8}{12} + \frac{10}{12} - \frac{3}{12} = \frac{15}{12} = \frac{5}{4}$$

Questions rapides 46

A) $\dfrac{7}{8} + \dfrac{5}{16}$

B) $\dfrac{9}{10} \div \dfrac{3}{5}$

C) $\dfrac{4}{9} + \dfrac{1}{3} - \dfrac{1}{6}$

Correction :

$A : \dfrac{7}{8} + \dfrac{5}{16} = \dfrac{14}{16} + \dfrac{5}{16} = \dfrac{19}{16}$

$B : \dfrac{9}{10} \div \dfrac{3}{5} = \dfrac{9}{10} \times \dfrac{5}{3} = \dfrac{45}{30} = \dfrac{3}{2}$

$C : \dfrac{4}{9} + \dfrac{1}{3} - \dfrac{1}{6} = \dfrac{8}{18} + \dfrac{6}{18} - \dfrac{3}{18} = \dfrac{11}{18}$

Questions rapides 47

A) $\dfrac{5}{6} - \dfrac{1}{8}$

B) $\dfrac{4}{7} \times \dfrac{14}{9}$

C) $\dfrac{3}{4} + \dfrac{2}{3} \div \dfrac{5}{6}$

Correction :

$A : \dfrac{5}{6} - \dfrac{1}{8} = \dfrac{20}{24} - \dfrac{3}{24} = \dfrac{17}{24}$

$B : \dfrac{4}{7} \times \dfrac{14}{9} = \dfrac{56}{63} = \dfrac{8}{9}$

$C : \dfrac{3}{4} + \dfrac{2}{3} \div \dfrac{5}{6} = \dfrac{3}{4} + \dfrac{2}{3} \times \dfrac{6}{5} = \dfrac{3}{4} + \dfrac{12}{15} = \dfrac{45}{60} + \dfrac{48}{60} = \dfrac{93}{60} = \dfrac{31}{20}$

Questions rapides 48

A) $\dfrac{2}{3} + \dfrac{5}{9}$

B) $\dfrac{10}{11} \div \dfrac{5}{6}$

C) $\dfrac{7}{10} - \dfrac{1}{4} + \dfrac{3}{8}$

Correction :

$$A : \dfrac{2}{3} + \dfrac{5}{9} = \dfrac{6}{9} + \dfrac{5}{9} = \dfrac{11}{9}$$

$$B : \dfrac{10}{11} \div \dfrac{5}{6} = \dfrac{10}{11} \times \dfrac{6}{5} = \dfrac{60}{55} = \dfrac{12}{11}$$

$$C : \dfrac{7}{10} - \dfrac{1}{4} + \dfrac{3}{8} = \dfrac{28}{40} - \dfrac{10}{40} + \dfrac{15}{40} = \dfrac{33}{40}$$

Questions rapides 49

A) $\dfrac{9}{12} - \dfrac{1}{6}$

B) $\dfrac{8}{15} \times \dfrac{9}{16}$

C) $\dfrac{3}{5} + \dfrac{1}{2} - \dfrac{2}{3}$

Correction :

$A : \dfrac{9}{12} - \dfrac{1}{6} = \dfrac{9}{12} - \dfrac{2}{12} = \dfrac{7}{12}$

$B : \dfrac{8}{15} \times \dfrac{9}{16} = \dfrac{72}{240} = \dfrac{3}{10}$

$C : \dfrac{3}{5} + \dfrac{1}{2} - \dfrac{2}{3} = \dfrac{18}{30} + \dfrac{15}{30} - \dfrac{20}{30} = \dfrac{13}{30}$

Questions rapides 50

A) $\dfrac{5}{6} + \dfrac{1}{12}$

B) $\dfrac{7}{8} \div \dfrac{14}{15}$

C) $\dfrac{2}{3} + \dfrac{3}{4} - \dfrac{1}{2}$

Correction :

$A : \dfrac{5}{6} + \dfrac{1}{12} = \dfrac{10}{12} + \dfrac{1}{12} = \dfrac{11}{12}$

$B : \dfrac{7}{8} \div \dfrac{14}{15} = \dfrac{7}{8} \times \dfrac{15}{14} = \dfrac{105}{112} = \dfrac{15}{16}$

$C : \dfrac{2}{3} + \dfrac{3}{4} - \dfrac{1}{2} = \dfrac{8}{12} + \dfrac{9}{12} - \dfrac{6}{12} = \dfrac{11}{12}$