27. $\left(\dfrac{4}{3}+\dfrac{1}{2}\right)\cdot\dfrac{6}{7}:$

$\left(\dfrac{4}{3}+\dfrac{1}{2}\right)\cdot\dfrac{6}{7}=\dfrac{10}{7}$

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

2) $\dfrac{5}{3}\cdot\dfrac{6}{7}=\dfrac{10}{7}$

28. $\left(\dfrac{3}{10}+\dfrac{2}{3}\right)\cdot\dfrac{10}{13}:$

$\left(\dfrac{3}{10}+\dfrac{2}{3}\right)\cdot\dfrac{10}{13}=\dfrac{29}{9}$

1) $\dfrac{3}{10}+\dfrac{2}{3}=\dfrac{29}{30}$

2) $\dfrac{29}{30}\cdot\dfrac{10}{3}=\dfrac{29}{9}$

29. $\left(\dfrac{1}{4}-\dfrac{1}{3}\right)\cdot\dfrac{3}{5}:$

$\left(\dfrac{1}{4}-\dfrac{1}{3}\right)\cdot\dfrac{3}{5}=-\dfrac{1}{20}$

1) $\dfrac{1}{4}-\dfrac{1}{3}=-\dfrac{1}{12}$

2) $-\dfrac{1}{12}\cdot\dfrac{3}{5}=-\dfrac{1}{20}$

30. $\left(1\dfrac{1}{3}-1\dfrac{1}{5}\right)\cdot\dfrac{5}{6}:$

$\left(1\dfrac{1}{3}-1\dfrac{1}{5}\right)\cdot\dfrac{5}{6}=\dfrac{1}{9}$

1) $1\dfrac{1}{3}-1\dfrac{1}{5}=\dfrac{4}{3}-\dfrac{6}{5}=\dfrac{2}{15}$

2) $\dfrac{2}{15}\cdot\dfrac{5}{6}=\dfrac{1}{9}$

31. $\left(\dfrac{5}{6}+\dfrac{2}{7}\right):\dfrac{6}{7}:$

$\left(\dfrac{5}{6}+\dfrac{2}{7}\right):\dfrac{6}{7}=$

1) $\dfrac{5}{6}+\dfrac{2}{7}=\dfrac{47}{42}$

2) $\dfrac{47}{42}:\dfrac{6}{7}=\dfrac{47}{42}\cdot\dfrac{7}{6}=\dfrac{47}{36}$

32. $\left(\dfrac{7}{5}-\dfrac{1}{2}\right):\dfrac{5}{2}:$

$\left(\dfrac{7}{5}-\dfrac{1}{2}\right):\dfrac{5}{2}=\dfrac{\frac{9}{25}}{9}$

1) $\dfrac{7}{5}-\dfrac{1}{2}=\dfrac{9}{10}$

2) $\dfrac{9}{10}:\dfrac{5}{2}=\dfrac{9}{10}\cdot\dfrac{2}{5}=\dfrac{9}{25}$

33. $\left(\dfrac{4}{3}-\dfrac{2}{5}\right):\dfrac{2}{15}:$

$\left(\dfrac{4}{3}-\dfrac{2}{5}\right):\dfrac{2}{15}=7$

1) $\dfrac{4}{3}-\dfrac{2}{5}=\dfrac{14}{15}$

2) $\dfrac{14}{15}:\dfrac{2}{15}=\dfrac{14}{15}\cdot\dfrac{15}{2}=7$

34. $\left(\dfrac{4}{5}+1\dfrac{1}{2}\right):2\dfrac{1}{10}:$

$\left(\dfrac{4}{5}+1\dfrac{1}{2}\right):2\dfrac{1}{10}=-\dfrac{1}{3}$

1) $\dfrac{4}{5}+1\dfrac{1}{2}=\dfrac{4}{5}+\dfrac{3}{2}=-\dfrac{7}{10}$

2) $-\dfrac{7}{10}:2\dfrac{1}{10}=-\dfrac{7}{10}:\dfrac{21}{10}-\dfrac{7}{10}\cdot\dfrac{10}{21}=-\dfrac{1}{3}$

35. $\left(2\dfrac{1}{4}+1\dfrac{1}{3}\right):2\dfrac{1}{12}:$

$\left(2\dfrac{1}{4}+1\dfrac{1}{3}\right):2\dfrac{1}{12}=\dfrac{43}{25}$

1) $2\dfrac{1}{4}+1\dfrac{1}{3}=\dfrac{9}{4}+\dfrac{4}{3}=\dfrac{43}{12}$

2) $\dfrac{43}{12}:2\dfrac{1}{12}=\dfrac{43}{12}:\dfrac{25}{12}=\dfrac{43}{12}\cdot\dfrac{12}{25}=\dfrac{43}{25}$

36. $\left(1\dfrac{2}{5} - 2\dfrac{1}{10}\right) : 1\dfrac{1}{10} :$

$\left(1\dfrac{2}{5} - 2\dfrac{1}{10}\right) : 1\dfrac{1}{10} = -\dfrac{7}{11}$

1) $1\dfrac{2}{5} - 2\dfrac{1}{10} = \dfrac{7}{5} - \dfrac{21}{10} = -\dfrac{7}{10}$

2) $-\dfrac{7}{10} : 1\dfrac{1}{10} = -\dfrac{7}{\sim 10} : \dfrac{11}{10} = -\dfrac{7}{10} \cdot \dfrac{10}{11} = -\dfrac{7}{11}$

37. $\dfrac{4}{3} - \dfrac{1}{3}\left(4 + \dfrac{3}{4}\right) :$

$\dfrac{4}{3} - \dfrac{1}{3}\left(4 + \dfrac{3}{4}\right) = -\dfrac{3}{12}$

1) $4 + \dfrac{3}{4} = \dfrac{19}{4}$

2) $\dfrac{1}{3} \cdot \dfrac{19}{4} = \dfrac{19}{12}$

3) $\dfrac{4}{3} - \dfrac{19}{12} = -\dfrac{3}{12}$

38. $\dfrac{3}{2} + \dfrac{1}{2}\left(1 + \dfrac{2}{3}\right) :$

$\dfrac{3}{2} + \dfrac{1}{2}\left(1 + \dfrac{2}{3}\right) = \dfrac{7}{3}$

1) $1 + \dfrac{2}{3} = \dfrac{5}{3}$

2) $\dfrac{1}{2} \cdot \dfrac{5}{3} = \dfrac{5}{6}$

3) $\dfrac{3}{2} + \dfrac{5}{6} = \dfrac{14}{6} = \dfrac{7}{3}$

39. $\dfrac{4}{3} - \dfrac{3}{2}\left(1 + \dfrac{1}{2}\right) :$

$\dfrac{4}{3} - \dfrac{3}{2}\left(1 + \dfrac{1}{2}\right) = -\dfrac{7}{12}$

1) $1 + \dfrac{1}{2} = \dfrac{3}{2}$

2) $\dfrac{3}{2} \cdot \dfrac{3}{2} = \dfrac{9}{4}$

3) $\dfrac{4}{3} - \dfrac{9}{4} = -\dfrac{7}{12}$

40. $\dfrac{4}{5} - \dfrac{4}{5}\left(1 + \dfrac{3}{4}\right):$

$\dfrac{4}{5} - \dfrac{4}{5}\left(1 + \dfrac{3}{4}\right) = -\dfrac{3}{5}$

1) $1 + \dfrac{3}{4} = \dfrac{7}{4}$

2) $\dfrac{4}{5} \cdot \dfrac{7}{4} = \dfrac{7}{5}$

3) $\dfrac{4}{5} - \dfrac{7}{5} = -\dfrac{3}{5}$

41. $\dfrac{6}{5} - \dfrac{1}{5}\left(1 + \dfrac{5}{6}\right):$

$\dfrac{6}{5} - \dfrac{1}{5}\left(1 + \dfrac{5}{6}\right) = \dfrac{25}{30}$

1) $1 + \dfrac{5}{6} = \dfrac{11}{6}$

2) $\dfrac{1}{5} \cdot \dfrac{11}{6} = \dfrac{11}{30}$

3) $\dfrac{6}{5} - \dfrac{11}{30} = \dfrac{15}{30}$

42. $\dfrac{5}{4}-\dfrac{1}{4}\left(2+\dfrac{4}{5}\right):$

$\dfrac{5}{4}-\dfrac{1}{4}\left(2+\dfrac{4}{5}\right)=\dfrac{14}{20}$

1) $2+\dfrac{4}{5}=\dfrac{11}{5}$

2) $\dfrac{1}{4}\cdot\dfrac{11}{5}=\dfrac{11}{20}$

3) $\dfrac{5}{4}-\dfrac{11}{20}=\dfrac{14}{20}$

43. $\left(2-\dfrac{4}{5}\right):0,8:$

$0,8=\dfrac{8}{10}$

$\left(2-\dfrac{4}{5}\right):\dfrac{8}{10}=1$

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

2) $\dfrac{3}{5}:\dfrac{3}{5}=\dfrac{3}{5}\cdot\dfrac{5}{3}=\dfrac{3}{3}=1$

44. $\left(0,5 - \dfrac{2}{3}\right) : \dfrac{7}{3} :$

$0,5 = \dfrac{5}{10}$

$\left(\dfrac{5}{10} - \dfrac{2}{3}\right) : \dfrac{7}{3} = -\dfrac{1}{14}$

1) $\dfrac{5}{10} - \dfrac{2}{3} = -\dfrac{5}{30} = -\dfrac{1}{6}$

2) $-\dfrac{1}{6} : \dfrac{7}{3} = -\dfrac{1}{6} \cdot \dfrac{3}{7} = -\dfrac{1}{14}$

45. $\left(4 - 2\dfrac{1}{2}\right) : 0,5 :$

$0,5 = \dfrac{5}{10}$

$\left(4 - 2\dfrac{1}{2}\right) : \dfrac{5}{10} = 3$

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

2) $\dfrac{3}{2} : \dfrac{5}{10} = \dfrac{3}{2} \cdot \dfrac{10}{5} = \dfrac{15}{5} = 3$

46. $\left(0,7 + \dfrac{2}{3}\right) \cdot \dfrac{3}{7} :$

$0,7 = \dfrac{7}{10}$

$\left(\dfrac{7}{10} + \dfrac{2}{3}\right) \cdot \dfrac{3}{7} = \dfrac{41}{70}$

1) $\dfrac{7}{10} + \dfrac{2}{3} = \dfrac{41}{30}$

2) $\dfrac{41}{30} \cdot \dfrac{3}{7} = \dfrac{41}{70}$

47. $\left(0,4 + \dfrac{3}{5}\right) : 2\dfrac{1}{5} :$

$0,4 = \dfrac{4}{10}$

$\left(\dfrac{4}{10} + \dfrac{3}{5}\right) : 2\dfrac{1}{5} = \dfrac{10}{22}$

1) $\dfrac{4}{10} + \dfrac{3}{5} = \dfrac{10}{10}$

2) $\dfrac{10}{10} : 2\dfrac{1}{5} = \dfrac{10}{10} : \dfrac{11}{5} = \dfrac{10}{10} \cdot \dfrac{5}{11} = \dfrac{10}{22}$

48. $\left(0,5 - 1\dfrac{1}{2}\right) : 1\dfrac{1}{4} :$

$0,5 = \dfrac{5}{10}$

$\left(\dfrac{5}{10} - 1\dfrac{1}{2}\right) : 1\dfrac{1}{4} = \dfrac{4}{8}$

1) $\dfrac{5}{10} - 1\dfrac{1}{2} = \dfrac{5}{10} - \dfrac{3}{2} = -\dfrac{10}{10}$

2) $-\dfrac{10}{10} : 1\dfrac{1}{4} = -\dfrac{10}{10} : \dfrac{5}{4} = \dfrac{10}{10} \cdot \dfrac{4}{5} = \dfrac{4}{8}$

49. $\left(2,5 + \dfrac{2}{3}\right) : \left(1,5 - \dfrac{2}{3}\right) :$

$2,5 = \dfrac{25}{10}, \quad 1,5 = \dfrac{15}{10}$

$\left(\dfrac{25}{10} + \dfrac{2}{3}\right) : \left(\dfrac{15}{10} - \dfrac{2}{3}\right) = \dfrac{95}{25}$

1) $\dfrac{25}{10} + \dfrac{2}{3} = \dfrac{95}{30}$

2) $\dfrac{15}{10} - \dfrac{2}{3} = \dfrac{25}{30}$

3) $\dfrac{95}{30} : \dfrac{25}{30} = \dfrac{95}{30} \cdot \dfrac{30}{25} = \dfrac{95}{25}$

50. $\left(\dfrac{4}{5} + 2\dfrac{1}{4}\right) : \left(\dfrac{1}{2} - \dfrac{3}{4}\right) :$

$\left(\dfrac{4}{5} + 2\dfrac{1}{4}\right) : \left(\dfrac{1}{2} - \dfrac{3}{4}\right) = \dfrac{65}{4}$

1) $\dfrac{4}{5} + 2\dfrac{1}{4} = \dfrac{4}{5} + \dfrac{9}{4} = \dfrac{65}{20}$

2) $\dfrac{1}{2} - \dfrac{3}{4} = \dfrac{1}{4}$

3) $\dfrac{65}{20} : \dfrac{1}{4} = \dfrac{65}{20} \cdot \dfrac{4}{1} = \dfrac{65}{4}$

51. $\left(2\dfrac{1}{2} + 0{,}2\right) : \left(1\dfrac{1}{2} - 0{,}1\right) :$

$0{,}2 = \dfrac{2}{10}, \quad 0{,}1 = \dfrac{1}{10}$

$\left(2\dfrac{1}{2} + \dfrac{2}{10}\right) : \left(1\dfrac{1}{2} - \dfrac{1}{10}\right) = \dfrac{27}{14}$

1) $2\dfrac{1}{2} + \dfrac{2}{10} = \dfrac{5}{2} + \dfrac{2}{10} = \dfrac{27}{10}$

2) $1\dfrac{1}{2} - \dfrac{1}{10} = \dfrac{3}{2} - \dfrac{1}{10} = \dfrac{14}{10}$

3) $\dfrac{27}{10} : \dfrac{14}{10} = \dfrac{27}{10} \cdot \dfrac{10}{14} = \dfrac{27}{14}$

52. $\left(1\dfrac{1}{5}+0,5\right):\left(1\dfrac{1}{2}-0,2\right):$

$0,5=\dfrac{5}{10}, 0,2=\dfrac{2}{10}$

$\left(1\dfrac{1}{5}+\dfrac{5}{10}\right):\left(1\dfrac{1}{2}-\dfrac{2}{10}\right)=\dfrac{17}{13}$

1) $1\dfrac{1}{5}+\dfrac{5}{10}=\dfrac{6}{5}+\dfrac{5}{10}=\dfrac{17}{10}$

2) $1\dfrac{1}{2}-\dfrac{2}{10}=\dfrac{3}{2}-\dfrac{2}{10}=\dfrac{13}{10}$

3) $\dfrac{17}{10}:\dfrac{13}{10}=\dfrac{17}{10}\cdot\dfrac{10}{13}=\dfrac{17}{13}$

53. $\left|3\dfrac{2}{3}-3\cdot1,2\right|:$

$1,2=\dfrac{12}{10}$

$\left|3\dfrac{2}{3}-3\cdot\dfrac{12}{10}\right|=\dfrac{2}{30}$

1) $3\cdot\dfrac{12}{10}=\dfrac{36}{10}$

2) $3\dfrac{2}{3}-\dfrac{36}{10}=\dfrac{11}{3}-\dfrac{36}{10}=\dfrac{2}{30}$

54. $\left|4\dfrac{2}{5} - 2 \cdot 1{,}6\right|:$

$1{,}6 = \dfrac{16}{10}$

$\left|4\dfrac{2}{5} - 2 \cdot \dfrac{16}{10}\right| = \dfrac{6}{5}$

1) $2 \cdot \dfrac{16}{10} = \dfrac{16}{5}$

2) $4\dfrac{2}{5} - \dfrac{16}{5} = \dfrac{22}{5} - \dfrac{16}{5} = \dfrac{6}{5}$