

විජය හාග

$$\frac{a}{b} + \frac{c}{d}$$



$$\frac{a}{b} \times \frac{c}{d} = \frac{ac}{bd}$$

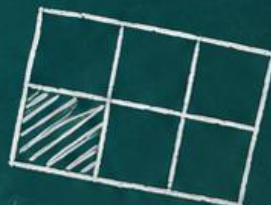
$$\frac{a}{b} + \frac{c}{d} = \frac{ad+bc}{bd}$$

$$\frac{a}{b} \div \frac{c}{d} = \frac{a}{b} \times \frac{d}{c}$$

$$\frac{2x}{3y}$$



$$\frac{x}{5} + \frac{1}{5} \rightarrow \frac{x+1}{5}$$



$$\frac{3}{4}$$



$$\frac{x+1}{5}$$
$$\frac{3x-2}{4}$$
$$\frac{2a}{3b}$$

$$\frac{x+3}{2}$$
$$\frac{5}{6x}$$
$$\frac{a+b}{c}$$

විජීය භාග හැඳින්වීම

.....

.....

.....

- ලවයෙහි පමණක් විජීය පදයක් සහිත විජීය භාග
- ලවයෙහි පමණක් විජීය ප්‍රකාශනයක් සහිත විජීය භාග
- හරයෙහි පමණක් විජීය පදයක් සහිත විජීය භාග
- හරයෙහි පමණක් විජීය ප්‍රකාශනයක් සහිත විජීය භාග
- හරය හා ලවය යන දෙකෙහිම විජීය පද සහිත විජීය භාග

- ලවයෙහි විජීය ප්‍රකාශනත්, හරයෙහි විජීය පදත් සහිත විජීය භාග

- ලවයෙහි විජීය පදත්, හරයෙහි විජීය ප්‍රකාශනත් සහිත විජීය භාග

- හරය සහ ලවය යන දෙකෙහිම විජීය ප්‍රකාශන සහිත විජීය භාග

නිඛිලමය හර සහිත විජීය භාග එකතු කිරීම හා අඩු කිරීම

01)

$$\frac{5x}{9} + \frac{2x}{9}$$

02)

$$\frac{8x}{5} - \frac{2x}{5}$$

03)

$$\frac{5x}{13} + \frac{2x}{13} - \frac{3x}{13}$$

04)

$$\frac{x+2}{6} + \frac{x+5}{6}$$

06)

$$\frac{x-4}{19} - \frac{x+5}{19}$$

08)

$$\frac{2x+3}{15} - \frac{x+5}{15}$$

05)

$$\frac{x-4}{9} + \frac{x-2}{9}$$

07)

$$\frac{5-x}{7} - \frac{x-4}{7}$$

09)

$$\frac{2x+3}{8} - \frac{x+5}{8} + \frac{x+2}{8}$$

අභ්‍යාසය

1)

$$\frac{x}{5} + \frac{2x}{5}$$

3)

$$\frac{2b}{9} + \frac{5b}{9}$$

5)

$$\frac{3y}{8} + \frac{y}{8}$$

2)

$$\frac{3a}{7} - \frac{a}{7}$$

4)

$$\frac{4x}{6} - \frac{2x}{6}$$

6)

$$\frac{5m}{11} - \frac{2m}{11}$$

7)

$$\frac{2a}{10} + \frac{3a}{10}$$

10)

$$\frac{3x}{15} + \frac{4x}{15}$$

13)

$$\frac{4d}{11} - \frac{3d}{11}$$

8)

$$\frac{-4f}{7} + \frac{2f}{7}$$

11)

$$\frac{-2p}{9} - \frac{3p}{9}$$

14)

$$\frac{-5k}{8} + \frac{k}{8}$$

9)

$$\frac{5b}{12} - \frac{b}{12}$$

12)

$$\frac{7c}{10} + \frac{2c}{10}$$

15)

$$\frac{6n}{13} - \frac{2n}{13}$$

16)

$$\frac{x}{5} + \frac{2x}{5} + \frac{3x}{5}$$

18)

$$\frac{3b}{7} + \frac{4b}{7} - \frac{2b}{7}$$

17)

$$\frac{5a}{8} - \frac{2a}{8} + \frac{4a}{8}$$

19)

$$\frac{-2f}{9} + \frac{5f}{9} + \frac{3f}{9}$$

20)

$$\frac{7m}{12} - \frac{3m}{12} - \frac{2m}{12}$$

22)

$$\frac{4x}{11} - \frac{3x}{11} + \frac{2x}{11}$$

21)

$$\frac{2y}{10} + \frac{6y}{10} - \frac{4y}{10}$$

23)

$$\frac{8a}{15} - \frac{5a}{15} + \frac{2a}{15}$$

24)

$$\frac{5x + 2}{8} - \frac{2x - 3}{8}$$

27)

$$\frac{-2f + 5}{10} + \frac{3f - 1}{10}$$

25)

$$\frac{3y - 4}{6} + \frac{y + 5}{6}$$

28)

$$\frac{6p - 7}{12} - \frac{2p + 1}{12}$$

26)

$$\frac{4m + 3}{11} - \frac{m - 2}{11}$$

29)

$$\frac{a + 4b}{13} - \frac{2a - b}{13}$$

30)

$$\frac{x+2}{7} + \frac{2x-1}{7} - \frac{x-3}{7}$$

32)

$$\frac{2b-3}{9} + \frac{b+5}{9} - \frac{3b-1}{9}$$

31)

$$\frac{3a+1}{8} - \frac{a-2}{8} + \frac{2a+4}{8}$$

33)

$$\frac{-f+4}{10} + \frac{2f-3}{10} + \frac{3f+1}{10}$$

අසමාන නිවැරදිමය හර සහිත විජීය භාග එකතු කිරීම හා අඩු කිරීම

01)

$$\frac{5x}{3} + \frac{2x}{7}$$

02)

$$\frac{-5d}{8} - \frac{2d}{3}$$

03)

$$\frac{b}{6} + \frac{4b}{5}$$

04)

$$\frac{3a}{4} - \frac{5a}{9}$$

05)

$$\frac{7m}{10} + \frac{3m}{4}$$

06)

$$\frac{-2s}{5} + \frac{6s}{11}$$

07)

$$\frac{4x}{3} + \frac{2x}{5} - \frac{x}{7}$$

08)

$$\frac{3a}{4} - \frac{5a}{6} + \frac{2a}{9}$$

09)

$$\frac{-5d}{6} + \frac{d}{3} - \frac{4d}{5}$$

10)

$$\frac{2x+3}{5} + \frac{4x-1}{7}$$

11)

$$\frac{5a-2}{6} - \frac{3a+4}{5}$$

12)

$$\frac{3x+1}{4} + \frac{2x-5}{6} - \frac{x+2}{9}$$

13)

$$\frac{3a-2}{5} - \frac{2a+1}{8} + \frac{3a-2}{10}$$

අනුපාසය

01)

$$\frac{5x}{3} + \frac{2x}{7}$$

02)

$$\frac{-5d}{6} - \frac{2d}{7}$$

03)

$$\frac{4b}{7} - \frac{b}{3}$$

04)

$$\frac{3a}{4} - \frac{5a}{9}$$

05)

$$\frac{7m}{8} + \frac{3m}{5}$$

06)

$$\frac{6y}{5} + \frac{2y}{9}$$

07)

$$\frac{s}{5} + \frac{4s}{11}$$

08)

$$\frac{-2p}{9} + \frac{5p}{4}$$

09)

$$\frac{-3k}{8} - \frac{4k}{11}$$

10)

$$\frac{2n}{7} + \frac{7n}{10}$$

11)

$$\frac{5r}{6} - \frac{2r}{8}$$

12)

$$\frac{-4t}{9} + \frac{t}{5}$$

13)

$$\frac{4x}{3} + \frac{2x}{5} - \frac{x}{7}$$

14)

$$\frac{3a}{4} - \frac{5a}{6} + \frac{2a}{9}$$

15)

$$\frac{2s}{5} + \frac{3s}{8} - \frac{5s}{12}$$

16)

$$\frac{-5d}{7} + \frac{d}{3} - \frac{4d}{9}$$

17)

$$\frac{6m}{5} - \frac{2m}{7} + \frac{3m}{10}$$

18)

$$\frac{-2p}{9} + \frac{5p}{6} - \frac{p}{4}$$

19)

$$\frac{3x+2}{4} + \frac{5x-1}{7}$$

20)

$$\frac{2n-3}{5} + \frac{5n+2}{12}$$

21)

$$\frac{6a-2}{9} - \frac{3a+1}{4}$$

22)

$$\frac{3k+2}{8} - \frac{2k-1}{7}$$

23)

$$\frac{3x+2}{4} + \frac{5x-1}{7}$$

24)

$$\frac{2n-3}{5} + \frac{5n+2}{12}$$

25)

$$\frac{6a-2}{9} - \frac{3a+1}{4}$$

26)

$$\frac{3k+2}{8} - \frac{2k-1}{7}$$

සමාන වීජීය හර සහිත වීජීය භාග එකතු කිරීම හා අඩු කිරීම

01)

$$\frac{3}{7m} + \frac{2}{7m}$$

02)

$$\frac{5}{6n} - \frac{1}{6n}$$

03)

$$\frac{5}{11a} + \frac{2}{11a}$$

04)

$$\frac{4}{5x} + \frac{3}{5x}$$

05)

$$\frac{8}{9y} - \frac{2}{9y}$$

06)

$$\frac{7t}{12p} - \frac{t}{12p}$$

07)

$$\frac{2a}{3b} + \frac{5a}{3b}$$

08)

$$\frac{9a}{10k} - \frac{3a}{10k}$$

09)

$$\frac{1}{4t} + \frac{2}{4t}$$

10)

$$\frac{2}{13a} + \frac{4}{13a} - \frac{3}{13a}$$

12)

$$\frac{t}{5s} - \frac{2t}{5s} + \frac{3t}{5s}$$

13)

$$\frac{10}{11b} - \frac{4}{11b} - \frac{3}{11b}$$

14)

$$\frac{1}{9a} + \frac{2}{9a} + \frac{4}{9a}$$

15)

$$\frac{3}{a+2} + \frac{5}{a+2}$$

16)

$$\frac{7}{x-2y} - \frac{3}{x-2y}$$

17)

$$\frac{2x}{m+3} + \frac{4x}{m+3}$$

18)

$$\frac{5a}{p-q} + \frac{2a}{q-p}$$

අනුපාසය

01)

$$\frac{11}{15w} - \frac{4}{15w}$$

02)

$$\frac{3x}{8a} + \frac{x}{8a}$$

03)

$$\frac{7y}{10b} - \frac{2y}{10b}$$

04)

$$\frac{5a}{6m} + \frac{a}{6m}$$

05)

$$\frac{9p}{14n} - \frac{3p}{14n}$$

06)

$$\frac{2k}{7x} + \frac{4k}{7x}$$

07)

$$\frac{8u}{11v} - \frac{3u}{11v}$$

08)

$$\frac{4m}{9y} + \frac{2m}{9y}$$

09)

$$\frac{10n}{13z} - \frac{5n}{13z}$$

10)

$$\frac{3}{5r} - \frac{2x}{5r}$$

11)

$$\frac{7}{8q} - \frac{3a}{8q}$$

12)

$$\frac{5x}{12y} + \frac{1}{12y}$$

13)

$$\frac{9}{10p} - \frac{4}{10p}$$

14)

$$\frac{2b}{7k} + \frac{b}{7k}$$

15)

$$\frac{11m}{16n} - \frac{5}{16n}$$

16)

$$\frac{4}{9a} + \frac{5x}{9a}$$

17)

$$\frac{8y}{15b} - \frac{3y}{15b}$$

18)

$$\frac{6x}{11t} - \frac{2}{11t}$$

19)

$$\frac{4}{2y+1} + \frac{3x}{2y+1}$$

20)

$$\frac{8n}{k-5} - \frac{3}{k-5}$$

21)

$$\frac{6}{3x+4} + \frac{2}{3x+4}$$

22)

$$\frac{6}{a-b} - \frac{2}{b-a}$$

හරයේ හා ලවයේ විච්ඡේද ප්‍රකාශන සහිත විච්ඡේද හාග සුළු කිරීම

01)

$$\frac{6}{3x-1} + \frac{2}{3x-1}$$

02)

$$\frac{2x+3}{x+4} + \frac{x-1}{x+4}$$

03)

$$\frac{7a}{a-b} - \frac{2a}{a-b}$$

04)

$$\frac{5y-2}{2y-3} - \frac{2y+1}{2y-3}$$

අභ්‍යාසය

01)

$$\frac{4x}{3x-1} + \frac{3x-2}{3x-1}$$

02)

$$\frac{a+b}{a-b} - \frac{b}{a-b}$$

03)

$$\frac{3m}{2m+5} + \frac{7}{2m+5}$$

04)

$$\frac{8k-3}{4k-1} - \frac{2k+5}{4k-1}$$

05)

$$\frac{x-2}{3x-1} - \frac{2x+5}{3x-1}$$

06)

$$\frac{6p+1}{p-q} - \frac{3p-4}{q-p}$$

07)

$$\frac{9}{a-b} + \frac{2a-3}{a-b}$$

08)

$$\frac{4n+7}{5n+2} - \frac{n-3}{5n+2}$$

"Small steps
each day lead to
big dreams."



0763446747



BIT
(Bachelor of IT)

Nipuna Sameera

Better
Skills
Brighter
Future

$$\frac{a}{b} + \frac{c}{d}$$
$$\frac{a}{b} - \frac{c}{d}$$

