

## SCHEDA 7

### FRAZIONI ED ESPRESSIONI

A- Sottolinea le frazioni proprie  $\frac{8}{4}$   $\frac{1}{7}$   $\frac{7}{14}$   $\frac{5}{3}$   $\frac{8}{9}$   $\frac{10}{7}$   $\frac{6}{6}$   $\frac{6}{10}$

B- Sottolinea le frazioni improprie  $\frac{8}{4}$   $\frac{1}{7}$   $\frac{7}{14}$   $\frac{5}{3}$   $\frac{8}{9}$   $\frac{10}{7}$   $\frac{6}{6}$   $\frac{6}{10}$

C- Sottolinea le frazioni apparenti  $\frac{8}{4}$   $\frac{1}{7}$   $\frac{7}{14}$   $\frac{5}{3}$   $\frac{8}{9}$   $\frac{10}{7}$   $\frac{6}{6}$   $\frac{6}{10}$

D- Scrivi la frazione complementare di:  $\frac{8}{13} = \dots\dots\dots$   $\frac{2}{15} = \dots\dots\dots$   $\frac{1}{7} = \dots\dots\dots$

E- Quali frazioni sono equivalenti a  $\frac{3}{7}$ ?  $\frac{3}{14}$   $\frac{6}{7}$   $\frac{7}{3}$   $\frac{9}{21}$   $\frac{18}{42}$   $\frac{30}{70}$   $\frac{1}{7}$   $\frac{6}{28}$

F- Riduci ai minimi termini le frazioni assegnate (copia sul quaderno)

$\frac{8}{40}$	$\frac{11}{77}$	$\frac{7}{14}$	$\frac{15}{35}$	$\frac{18}{90}$	$\frac{42}{49}$	$\frac{12}{32}$	$\frac{60}{100}$
$\frac{18}{45}$	$\frac{13}{39}$	$\frac{22}{88}$	$\frac{65}{91}$	$\frac{16}{90}$	$\frac{40}{440}$	$\frac{19}{38}$	$\frac{21}{560}$

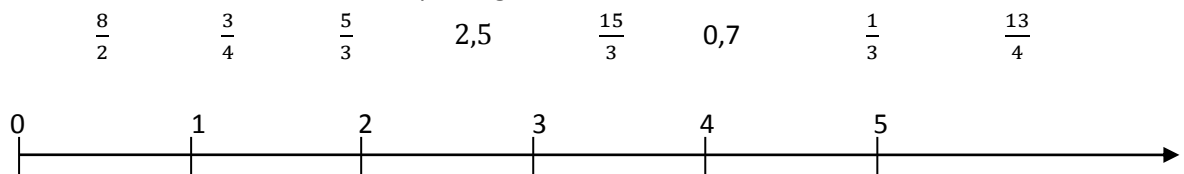
G- Confronta le frazioni, inserisci il simbolo  $> = <$

$\frac{8}{4} \dots\dots \frac{1}{7}$	$\frac{7}{14} \dots\dots \frac{5}{10}$	$\frac{8}{9} \dots\dots \frac{10}{7}$	$\frac{6}{6} \dots\dots \frac{6}{10}$	$\frac{5}{4} \dots\dots \frac{9}{7}$	$\frac{7}{4} \dots\dots \frac{5}{3}$
$\frac{8}{9} \dots\dots \frac{5}{9}$	$\frac{6}{6} \dots\dots \frac{3}{3}$	$\frac{16}{4} \dots\dots \frac{28}{7}$	$\frac{1}{6} \dots\dots \frac{1}{4}$	$\frac{1}{7} \dots\dots \frac{5}{4}$	$\frac{9}{10} \dots\dots \frac{8}{7}$

H- Confronta inserendo il **numero intero** corretto al posto dei puntini

$\frac{3}{4} < \dots < \frac{5}{3}$        $\frac{9}{4} < \dots < \frac{16}{5}$        $\frac{12}{4} < \dots < \frac{15}{3}$        $\frac{9}{5} < \dots < \frac{11}{3}$

I- Inserisci sulla retta dei numeri nel posto giusto.



L- Segna vero o falso. Correggi quelle false.

$\frac{7}{4} = 1 + \frac{3}{4}$	$\frac{17}{5} = 3 + \frac{1}{5}$	$\frac{11}{3} = 1 + \frac{1}{3}$	$\frac{7}{5} = 1 + \frac{2}{5}$	$\frac{20}{7} = 3 + \frac{1}{7}$
Vero Falso	Vero Falso	Vero Falso	Vero Falso	Vero Falso

M- esegui le seguenti operazioni con le frazioni, riduci ai minimi termini i risultati:

$$\frac{3}{5} + \frac{1}{2} =$$

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

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

$$\frac{3}{4} + 4 =$$

$$\frac{11}{5} - \frac{9}{7} =$$

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

$$\frac{13}{5} + \frac{1}{2} - \frac{3}{10} =$$

$$3 - \frac{5}{8} =$$

$$\frac{3}{4} + \frac{3}{2} =$$

$$\frac{5}{11} + \frac{1}{22} =$$

$$\frac{7}{4} + \frac{1}{5} - \frac{3}{10} =$$

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

$$\frac{7}{15} + \frac{3}{10} =$$

$$\frac{13}{12} - \frac{5}{6} =$$

$$\frac{9}{7} - \frac{3}{14} - \frac{1}{4} =$$

$$\frac{3}{4} + 2 - \frac{2}{3} =$$

$$\frac{7}{8} - \frac{1}{4} =$$

$$\frac{8}{7} + \frac{3}{14} =$$

$$\frac{13}{10} - \frac{1}{2} - \frac{5}{8} =$$

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

$$\frac{15}{28} \times \frac{7}{40} =$$

$$\frac{12}{19} \times \frac{19}{40} =$$

$$\frac{25}{18} \times \frac{6}{50} =$$

$$\frac{9}{34} \times \frac{17}{40} =$$

$$\frac{55}{21} \times \frac{35}{44} =$$

$$\frac{5}{21} \times \frac{7}{4} \times \frac{9}{5} =$$

$$\frac{5}{17} \times \frac{17}{14} \times \frac{7}{15} =$$

$$\frac{7}{25} \times \frac{5}{4} \times \frac{8}{42} =$$

$$\frac{33}{2} \times \frac{4}{3} \times \frac{5}{11} =$$

$$\frac{15}{28} : \frac{3}{40} =$$

$$\frac{12}{11} : \frac{16}{11} =$$

$$\frac{5}{18} : \frac{30}{9} =$$

$$\frac{9}{4} : \frac{4}{11} =$$

$$\frac{5}{3} : \frac{35}{4} =$$

$$\frac{5}{21} : \frac{4}{7} : \frac{5}{9} =$$

$$\frac{5}{11} : \frac{28}{33} : \frac{7}{6} =$$

$$\frac{1}{5} : \frac{4}{11} : \frac{77}{8} =$$

$$\frac{33}{2} : \frac{11}{6} : \frac{18}{5} =$$

$$4 + \frac{1}{2} - \frac{11}{3} =$$

$$\frac{3}{5} + \frac{5}{6} =$$

$$\frac{3}{10} + \frac{1}{20} - \frac{7}{40} =$$

$$\frac{3}{4} + 1 =$$

$$\frac{11}{6} - \frac{9}{7} =$$

$$\frac{7}{4} - \frac{2}{3} =$$

$$\frac{3}{4} + \frac{5}{2} - \frac{7}{6} =$$

$$1 - \frac{5}{8} =$$

$$\frac{3}{9} + \frac{5}{2} =$$

$$\frac{5}{13} + \frac{1}{2} =$$

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

$$3 + \frac{5}{7} =$$

$$\frac{7}{3} \times \frac{7}{4} =$$

$$\frac{2}{5} \times \frac{5}{7} =$$

$$\frac{1}{11} \times \frac{6}{5} =$$

$$\frac{5}{72} \times \frac{27}{40} =$$

$$\frac{8}{3} \times \frac{9}{44} =$$

$$\frac{5}{11} \times \frac{7}{4} \times \frac{11}{4} =$$

$$\frac{7}{2} \times \frac{3}{35} \times \frac{10}{3} =$$

$$\frac{17}{9} \times \frac{5}{4} \times \frac{6}{17} =$$

$$\frac{9}{2} \times \frac{4}{7} \times \frac{7}{3} =$$

$$\frac{5}{28} : \frac{3}{8} =$$

$$\frac{12}{55} : \frac{18}{5} =$$

$$\frac{5}{8} : \frac{3}{9} =$$

$$\frac{9}{7} : \frac{3}{11} =$$

$$\frac{9}{4} : \frac{7}{5} =$$

$$\frac{5}{2} : 6 : \frac{5}{12} =$$

$$\frac{5}{19} : \frac{28}{3} : \frac{8}{19} =$$

$$\frac{1}{5} : \frac{1}{4} : \frac{7}{8} =$$

$$\frac{3}{2} : 4 : \frac{9}{5} =$$

N- prova a risolvere le piccole espressioni, anche se non le abbiamo incontrate in classe.

Ricorda le precedenze

$$\left[ \frac{2}{14} \times \left( \frac{4}{5} - \frac{7}{10} + \frac{1}{2} \right) \right] : \frac{3}{7} \quad \text{ris} = \frac{1}{5}$$

$$\left[ \left( \frac{8}{3} \times \frac{21}{40} + \frac{1}{2} \right) : \frac{38}{15} \right] : \left( \frac{5}{4} + \frac{1}{2} \right) = \quad \text{ris} \frac{3}{7}$$