

1) Bekijk de uitlegvideo op: ► 36-breukgetallen-8

2) Maak gelijknamig.

$$\begin{array}{lll} \frac{1 \cdot 3}{2 \cdot 3} \text{ en } \frac{1 \cdot 2}{3 \cdot 2} & \frac{3}{6} \text{ en } \frac{2}{6} & \frac{5 \cdot 3}{6 \cdot 3} \text{ en } \frac{4 \cdot 2}{9 \cdot 2} & \frac{15}{18} \text{ en } \frac{8}{18} \\ \frac{1 \cdot 3}{2 \cdot 3} \text{ en } \frac{2 \cdot 2}{3 \cdot 2} & \frac{3}{6} \text{ en } \frac{4}{6} & \frac{1 \cdot 2}{9 \cdot 2} \text{ en } \frac{1 \cdot 9}{2 \cdot 9} & \frac{2}{18} \text{ en } \frac{9}{18} \\ \frac{1 \cdot 3}{6 \cdot 3} \text{ en } \frac{1 \cdot 2}{9 \cdot 2} & \frac{3}{18} \text{ en } \frac{2}{18} & \frac{5 \cdot 3}{8 \cdot 3} \text{ en } \frac{11 \cdot 2}{12 \cdot 2} & \frac{15}{24} \text{ en } \frac{22}{24} \end{array}$$

3) Zet steeds < of > of = tussen de getallen.

$$\begin{array}{lll} \frac{1 \cdot 3}{2 \cdot 3} < \frac{2 \cdot 2}{3 \cdot 2} & \frac{7 \cdot 2}{12 \cdot 2} < \frac{5 \cdot 3}{8 \cdot 3} & \frac{1 \cdot 5}{12 \cdot 5} < \frac{7 \cdot 2}{30 \cdot 2} \\ \frac{3}{6} < \frac{4}{6} & \frac{14}{24} < \frac{15}{24} & \frac{5}{60} < \frac{14}{60} \\ \frac{6 \cdot 2}{15 \cdot 2} < \frac{7 \cdot 3}{10 \cdot 3} & \frac{7 \cdot 2}{9 \cdot 2} < \frac{5 \cdot 3}{6 \cdot 3} & \frac{7 \cdot 3}{8 \cdot 3} < \frac{11 \cdot 2}{12 \cdot 2} \\ \frac{12}{30} < \frac{21}{30} & \frac{14}{18} < \frac{15}{18} & \frac{21}{24} < \frac{22}{24} \end{array}$$

4) $\frac{1}{2} + \frac{2}{3} = \frac{3}{6} + \frac{4}{6} = \frac{7}{6} = 1\frac{1}{6}$

$$\frac{7}{10} + \frac{6}{15} = \frac{21}{30} + \frac{12}{30} = \frac{33}{30} = 1\frac{3}{30} = 1\frac{1}{10}$$

$$\frac{7}{10} - \frac{6}{15} = \frac{21}{30} - \frac{12}{30} = \frac{9}{30} = \frac{3}{10}$$

$$\frac{1}{2} \times \frac{2}{3} = \frac{2}{6} = \frac{1}{3}$$

$$3 + 7\frac{2}{3} = 10\frac{2}{3}$$

$$3 \times 7\frac{2}{3} = 21\frac{6}{3} = 23$$

$$5\frac{3}{4} + 10\frac{5}{6} = 5\frac{9}{12} + 10\frac{10}{12} = 15\frac{19}{12} = 16\frac{7}{12}$$

$$4\frac{13}{30} - 3\frac{5}{12} = 4\frac{26}{60} - 3\frac{25}{60} = 1\frac{1}{60}$$

$$1) \quad \frac{1}{2} + \frac{1}{3} = \frac{3}{6} + \frac{2}{6} = \frac{5}{6} \quad \frac{1}{4} + \frac{3}{14} = \frac{7}{28} + \frac{6}{28} = \frac{13}{28}$$

$$\frac{1}{6} + \frac{1}{9} = \frac{3}{18} + \frac{2}{18} = \frac{5}{18} \quad 5\frac{1}{4} - \frac{3}{14} = 5\frac{7}{28} - \frac{6}{28} = 5\frac{1}{28}$$

$$2) \quad 3967 \times 5 = 19835 \quad 342 : 3 = 114$$

	3	9	6	7			3	4	2	1	1	4	
				5			3	⋮	⋮				
					x		0	4	⋮				
1	9	8	3	5				3	⋮				
								1	2				
								1	2				
									0				

3) Zet steeds < of > of = tussen de getallen.

$$\frac{1}{3} > \frac{2}{9} \quad \frac{3}{9} > \frac{2}{9} \quad 5\frac{1}{2} < \frac{12}{2} = 6 \quad \frac{1}{5} > \frac{1}{60}$$

$$\frac{5}{9} < \frac{5}{6} \quad \frac{10}{18} < \frac{15}{18} \quad 0,125 > \frac{121}{1000} \quad \frac{7}{10} = \frac{21}{30}$$

$$4) \quad 7\frac{4}{9} - 1\frac{1}{6} = 7\frac{8}{18} - 1\frac{3}{18} = 6\frac{5}{18} \quad 2 \times 7\frac{4}{9} = 14\frac{8}{9}$$

$$2\frac{3}{22} + 3\frac{5}{33} = 2\frac{9}{66} + 3\frac{10}{66} = 5\frac{19}{66} \quad \frac{4}{9} \times \frac{4}{9} = \frac{16}{81}$$

$$3\frac{1}{2} + 12\frac{1}{2} = 15\frac{2}{2} = 16 \quad \frac{4}{9} + \frac{4}{9} = \frac{8}{9}$$

$$7\frac{5}{9} - 1\frac{1}{2} = 7\frac{10}{18} - 1\frac{9}{18} = 6\frac{1}{18} \quad 7\frac{5}{8} - 1\frac{1}{2} = 7\frac{5}{8} - 1\frac{4}{8} = 6\frac{1}{8}$$

1)

$2100 : 700$
$21\cancel{00} : 7\cancel{00}$ $= 21 : 7$

breuken + of -
eerst noemers gelijk

milli
$\frac{1}{1000}$

10 %
$\frac{1}{10}$

20 %
$\frac{1}{5}$

breuk \times breuk
$\frac{\text{teller} \times \text{teller}}{\text{noemer} \times \text{noemer}}$

$\frac{2}{3} \times \frac{5}{7}$
$\frac{2}{3} \times \frac{5}{7} = \frac{10}{21}$

heel getal \times breuk
heel getal \times teller

$3 \times \frac{2}{7}$
$3 \times \frac{2}{7} = \frac{6}{7}$

heel getal \times gemengde breuk
heel getal \times heel getal en teller

$3 \times 5\frac{2}{7}$
$3 \times 5\frac{2}{7} = 15\frac{6}{7}$

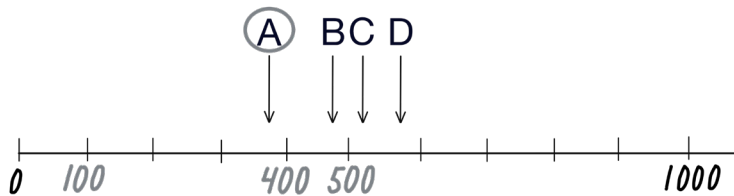
2 staat tot 3
2 : 3

2 van de 3
2 : 3

4 : 6
2 : 3

$3 = \frac{\dots}{7}$
$3 = \frac{3}{1}$

2) Waar ligt het getal 375 ongeveer?



3) Welk getal is het grootst?

A $\frac{5}{14} = \frac{10}{28}$

B $\frac{2}{7} = \frac{8}{28}$

C $\frac{13}{28}$

D $\frac{3}{7} = \frac{12}{28}$

4) In een vrachtauto zitten 26 nieuwe koelkasten die elk zijn verpakt in een grote doos. Elke doos weegt ongeveer 89,7 kg. Hoeveel weegt de totale lading ongeveer?

A 2380

B 2150

C 3000

D 2340

$$90 \times 26 = 10 \times 9 \times 26$$

$$= 10 \times 234$$

$$= 2340$$

$$\frac{26}{9} \times 234$$