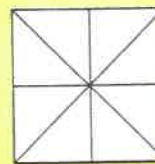
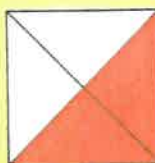
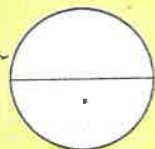
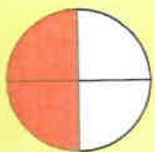
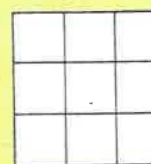
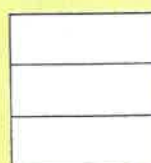
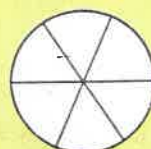
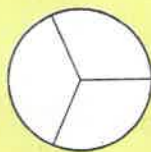


11 V každém obrázku vybarvi:

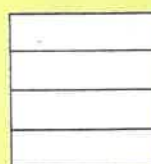
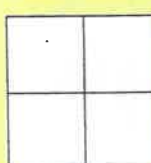
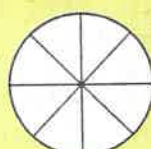
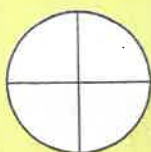
jednu polovinu



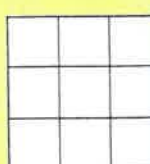
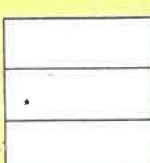
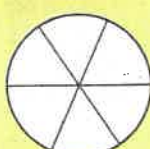
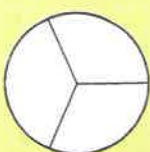
jednu třetinu



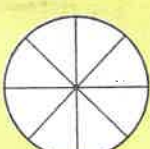
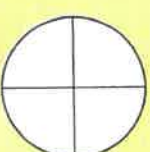
jednu čtvrtinu



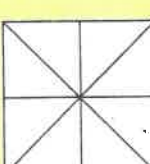
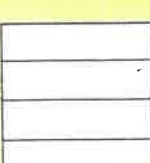
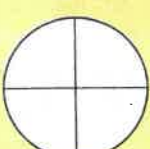
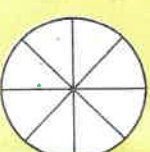
dvě třetiny



tři čtvrtiny



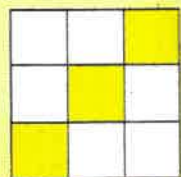
dvě čtvrtiny



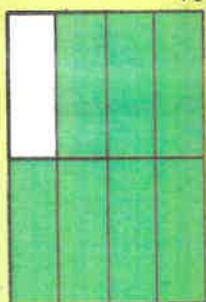
12 Spoj správné zlomky s vybarvenými částmi obrázků.



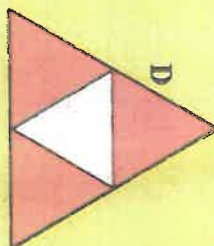
A



B



C



D

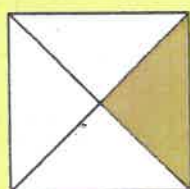
$$\frac{6}{12}$$

$$\frac{1}{3}$$

$$\frac{3}{9}$$

$$\frac{1}{2}$$

$$\frac{7}{8}$$



E



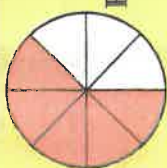
F

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

$$\frac{1}{4}$$



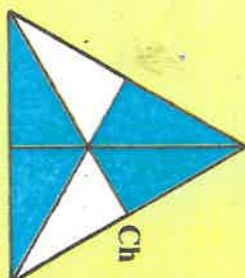
G



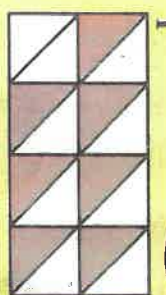
H

$$\frac{4}{6}$$

$$\frac{5}{8}$$



Ch



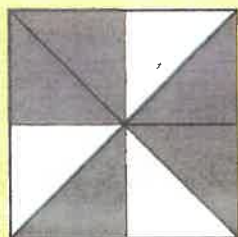
I

$$\frac{5}{8}$$

$$\frac{4}{6}$$



J

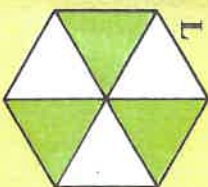


K

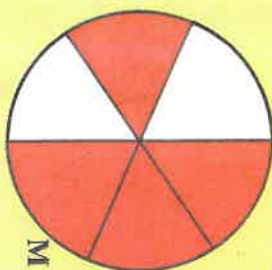
$$\frac{3}{6}$$

$$\frac{7}{16}$$

$$\frac{2}{3}$$



L

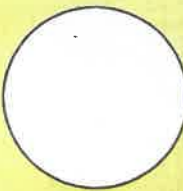
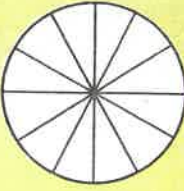
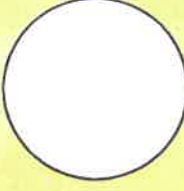
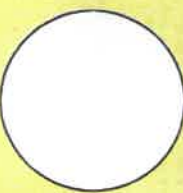
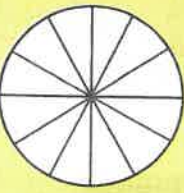
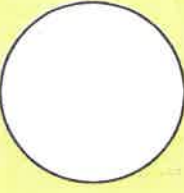
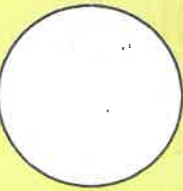
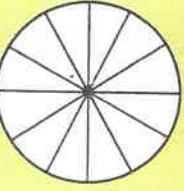
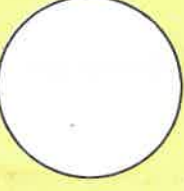
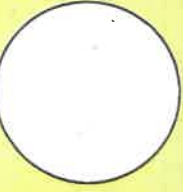
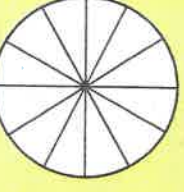
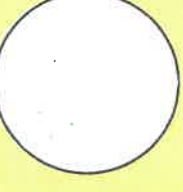


M

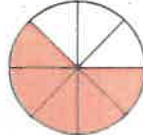

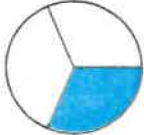
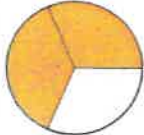
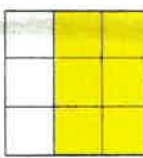



# Rok



13) Kolik měsíců je:

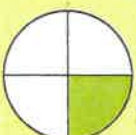
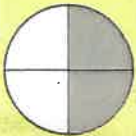


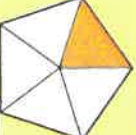

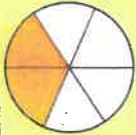



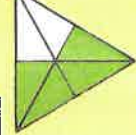
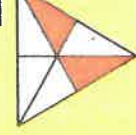
	$\frac{1}{2}$ roku _____		$\frac{1}{12}$ roku _____		$\frac{3}{3}$ roku _____
	$\frac{1}{3}$ roku _____		$\frac{4}{12}$ roku _____		$\frac{2}{4}$ roku _____
	$\frac{1}{4}$ roku _____		$\frac{3}{12}$ roku _____		$\frac{3}{4}$ roku _____
	$\frac{2}{3}$ roku _____		$\frac{8}{12}$ roku _____		$\frac{4}{4}$ roku _____

# POROVNÁVÁNÍ ZLOMKŮ SE STEJNÝM JMENOVATELEM

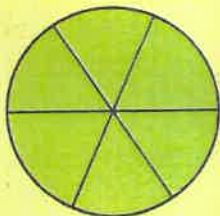
	$\frac{5}{8}$	$>$	$\frac{3}{8}$	
	$\frac{1}{3}$	$<$	$\frac{2}{3}$	
	$\frac{6}{9}$	$<$	$\frac{7}{9}$	
	$\frac{3}{4}$	$>$	$\frac{2}{4}$	

Jestliže mají zlomky stejného jmenovatele, je větší ten zlomek, který má většího čitatele:--

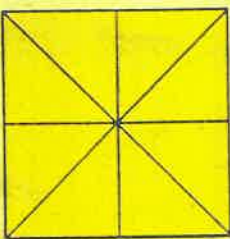
14) Porovnej zlomky.

	$\frac{1}{2}$	$<$	$\frac{1}{2}$	
	$\frac{2}{3}$	$>$	$\frac{1}{3}$	
	$\frac{2}{5}$	$<$	$\frac{3}{5}$	
	$\frac{3}{6}$	$<$	$\frac{4}{6}$	
	$\frac{5}{8}$	$>$	$\frac{3}{8}$	
	$\frac{2}{4}$	$<$	$\frac{3}{4}$	

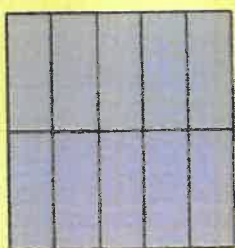
15 Porovnej: >, <, =



$$\begin{array}{l} \frac{1}{6} + \frac{1}{6} \quad \square \quad \frac{1}{3} \\ \frac{3}{6} + \frac{2}{6} \quad \square \quad \frac{2}{3} \\ \frac{1}{6} + \frac{3}{6} \quad \square \quad \frac{2}{3} \\ \frac{5}{6} - \frac{3}{6} \quad \square \quad \frac{1}{3} \\ \frac{5}{6} - \frac{2}{6} \quad \square \quad \frac{1}{2} \\ \frac{5}{6} - \frac{1}{6} \quad \square \quad \frac{1}{2} \end{array}$$



$$\begin{array}{l} \frac{4}{8} + \frac{2}{8} \quad \square \quad \frac{3}{4} \\ \frac{1}{8} + \frac{4}{8} \quad \square \quad \frac{1}{2} \\ \frac{3}{8} + \frac{3}{8} \quad \square \quad \frac{3}{4} \\ \frac{5}{8} - \frac{3}{8} \quad \square \quad \frac{1}{4} \\ \frac{6}{8} - \frac{1}{8} \quad \square \quad \frac{3}{4} \\ \frac{1}{8} + \frac{1}{8} \quad \square \quad \frac{1}{4} \end{array}$$



$$\begin{array}{l} \frac{3}{10} + \frac{5}{10} \quad \square \quad \frac{4}{5} \\ \frac{4}{10} + \frac{3}{10} \quad \square \quad \frac{3}{5} \\ \frac{2}{10} + \frac{3}{10} \quad \square \quad \frac{1}{2} \\ \frac{7}{10} - \frac{3}{10} \quad \square \quad \frac{2}{5} \\ \frac{7}{10} - \frac{5}{10} \quad \square \quad \frac{2}{5} \\ \frac{8}{10} - \frac{4}{10} \quad \square \quad \frac{3}{5} \end{array}$$

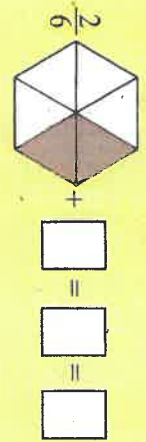
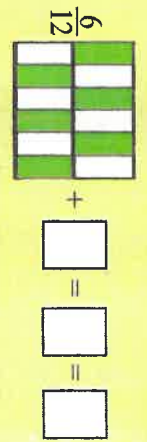
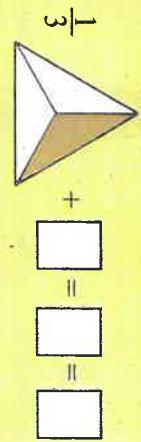
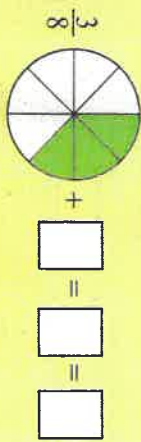
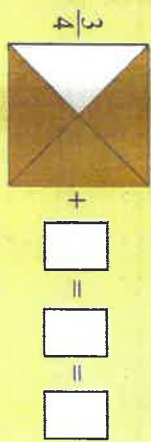
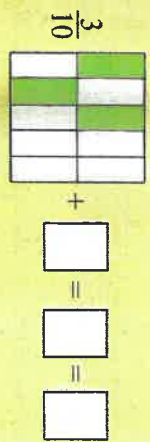
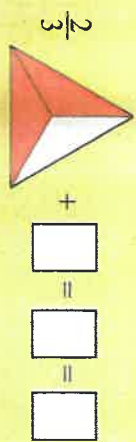
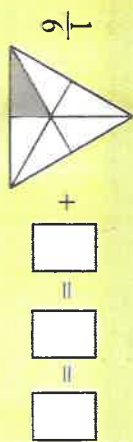
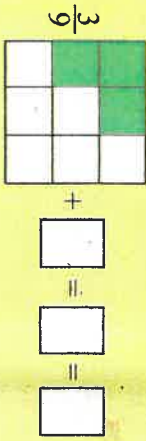
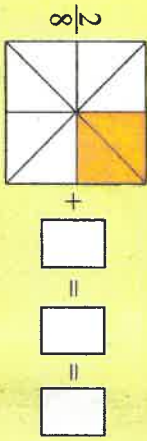
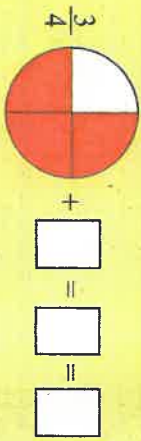
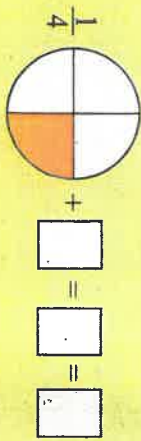
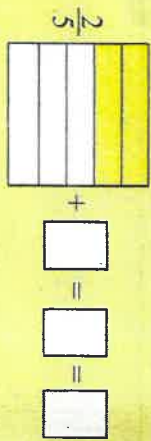
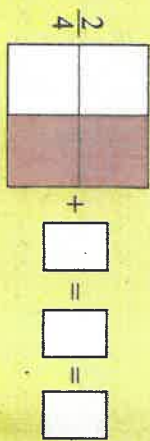
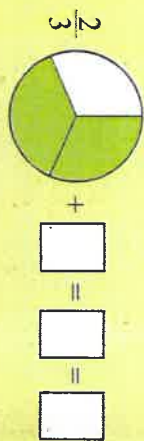
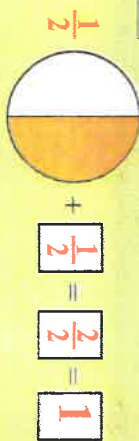
$$\begin{array}{l} \frac{2}{6} + \frac{3}{6} - \frac{4}{6} \quad \square \quad \frac{1}{6} \\ \frac{3}{5} + \frac{1}{5} - \frac{2}{5} \quad \square \quad \frac{4}{5} \\ \frac{4}{8} + \frac{4}{8} - \frac{5}{8} \quad \square \quad \frac{2}{8} \end{array}$$

$$\begin{array}{l} \frac{3}{10} + \frac{5}{10} - \frac{1}{10} \quad \square \quad \frac{7}{10} \\ \frac{1}{3} + \frac{2}{3} - \frac{1}{3} \quad \square \quad \frac{1}{3} \\ \frac{4}{6} + \frac{1}{6} - \frac{4}{6} \quad \square \quad \frac{3}{6} \end{array}$$

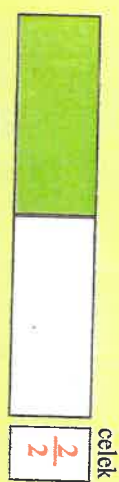
16 Porovnej: >, <, =

$\frac{2}{5}$	$\square$	$\frac{1}{5}$	$\square$	$\frac{4}{6}$	$\square$	$\frac{2}{6}$	$\square$	$\frac{12}{20}$	$\square$	$\frac{12}{20}$	$\square$	$\frac{4}{10}$	$\square$	$\frac{1}{10}$
$\frac{6}{7}$	$\square$	$\frac{3}{7}$	$\square$	$\frac{3}{5}$	$\square$	$\frac{3}{5}$	$\square$	$\frac{1}{6}$	$\square$	$\frac{3}{6}$	$\square$	$\frac{9}{10}$	$\square$	$\frac{9}{10}$
$\frac{5}{9}$	$\square$	$\frac{7}{9}$	$\square$	$\frac{4}{7}$	$\square$	$\frac{1}{7}$	$\square$	$\frac{5}{10}$	$\square$	$\frac{4}{10}$	$\square$	$\frac{6}{10}$	$\square$	$\frac{3}{10}$
$\frac{1}{4}$	$\square$	$\frac{3}{4}$	$\square$	$\frac{5}{6}$	$\square$	$\frac{6}{6}$	$\square$	$\frac{8}{30}$	$\square$	$\frac{12}{30}$	$\square$	$\frac{8}{10}$	$\square$	$\frac{1}{10}$
$\frac{5}{8}$	$\square$	$\frac{7}{8}$	$\square$	$\frac{3}{9}$	$\square$	$\frac{3}{9}$	$\square$	$\frac{13}{40}$	$\square$	$\frac{20}{40}$	$\square$	$\frac{12}{60}$	$\square$	$\frac{2}{60}$
$\frac{5}{7}$	$\square$	$\frac{2}{7}$	$\square$	$\frac{1}{8}$	$\square$	$\frac{6}{8}$	$\square$	$\frac{42}{50}$	$\square$	$\frac{39}{50}$	$\square$	$\frac{2}{60}$	$\square$	$\frac{2}{60}$
$\frac{1}{2}$	$\square$	$\frac{2}{2}$	$\square$	$\frac{2}{3}$	$\square$	$\frac{1}{3}$	$\square$	$\frac{6}{40}$	$\square$	$\frac{6}{40}$	$\square$	$\frac{25}{60}$	$\square$	$\frac{50}{60}$
$\frac{2}{4}$	$\square$	$\frac{2}{4}$	$\square$	$\frac{3}{8}$	$\square$	$\frac{2}{8}$	$\square$	$\frac{17}{20}$	$\square$	$\frac{12}{20}$	$\square$	$\frac{10}{60}$	$\square$	$\frac{10}{60}$
$\frac{8}{9}$	$\square$	$\frac{8}{9}$	$\square$	$\frac{1}{5}$	$\square$	$\frac{3}{5}$	$\square$	$\frac{37}{50}$	$\square$	$\frac{41}{50}$	$\square$	$\frac{4}{80}$	$\square$	$\frac{6}{80}$
$\frac{2}{4}$	$\square$	$\frac{3}{4}$	$\square$	$\frac{2}{3}$	$\square$	$\frac{2}{3}$	$\square$	$\frac{29}{60}$	$\square$	$\frac{44}{60}$	$\square$	$\frac{71}{80}$	$\square$	$\frac{69}{80}$
$\frac{1}{7}$	$\square$	$\frac{3}{7}$	$\square$	$\frac{4}{5}$	$\square$	$\frac{1}{5}$	$\square$	$\frac{1}{20}$	$\square$	$\frac{1}{20}$	$\square$	$\frac{40}{80}$	$\square$	$\frac{40}{80}$
$\frac{3}{10}$	$\square$	$\frac{2}{10}$	$\square$	$\frac{2}{5}$	$\square$	$\frac{2}{5}$	$\square$	$\frac{3}{20}$	$\square$	$\frac{2}{20}$	$\square$	$\frac{15}{30}$	$\square$	$\frac{15}{30}$
$\frac{1}{20}$	$\square$	$\frac{4}{20}$	$\square$	$\frac{4}{8}$	$\square$	$\frac{4}{8}$	$\square$	$\frac{1}{40}$	$\square$	$\frac{1}{40}$	$\square$	$\frac{20}{30}$	$\square$	$\frac{10}{30}$
$\frac{3}{8}$	$\square$	$\frac{4}{8}$	$\square$	$\frac{3}{9}$	$\square$	$\frac{5}{9}$	$\square$	$\frac{3}{50}$	$\square$	$\frac{2}{50}$	$\square$	$\frac{29}{30}$	$\square$	$\frac{30}{30}$
$\frac{1}{30}$	$\square$	$\frac{1}{30}$	$\square$	$\frac{8}{9}$	$\square$	$\frac{8}{9}$	$\square$	$\frac{21}{30}$	$\square$	$\frac{11}{30}$	$\square$	$\frac{17}{30}$	$\square$	$\frac{17}{30}$

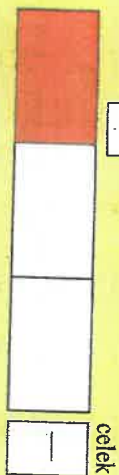
Doplň do celku.



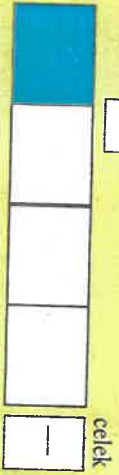
Obdélník považuj za jeden celek. Každý obdélník je rozdělen na určitý počet stejných dílů. Vyjádři zlomkem vybarvený díl celku a celý celek.



1 díl je  $\frac{1}{2}$



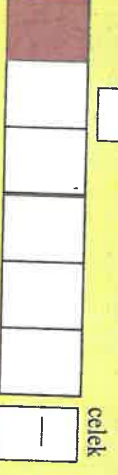
1 díl je  $\frac{1}{3}$



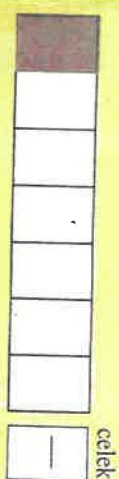
1 díl je  $\frac{1}{4}$



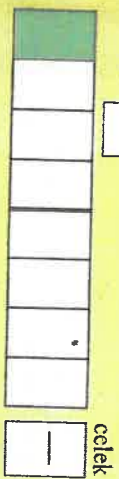
1 díl je  $\frac{1}{5}$



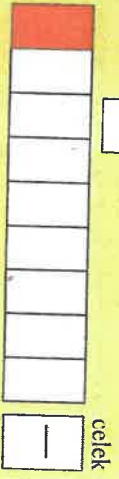
1 díl je  $\frac{1}{6}$



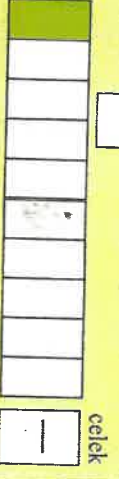
1 díl je  $\frac{1}{7}$



1 díl je  $\frac{1}{8}$



1 díl je  $\frac{1}{9}$



1 díl je  $\frac{1}{10}$



1 díl je  $\frac{1}{11}$

Pomocí obrázků zjisti vztah mezi zlomky.

Napr.:  $\frac{1}{2} = \frac{2}{4} = \frac{3}{6} = \frac{4}{8} = \frac{5}{10} = \frac{6}{12} \dots$

$$\frac{1}{3} = \frac{2}{6} = \frac{3}{9} = \frac{4}{12} = \frac{5}{15} \dots$$

$$\frac{1}{4} = \frac{2}{8} = \frac{3}{12} = \frac{4}{16} = \frac{5}{20} \dots$$