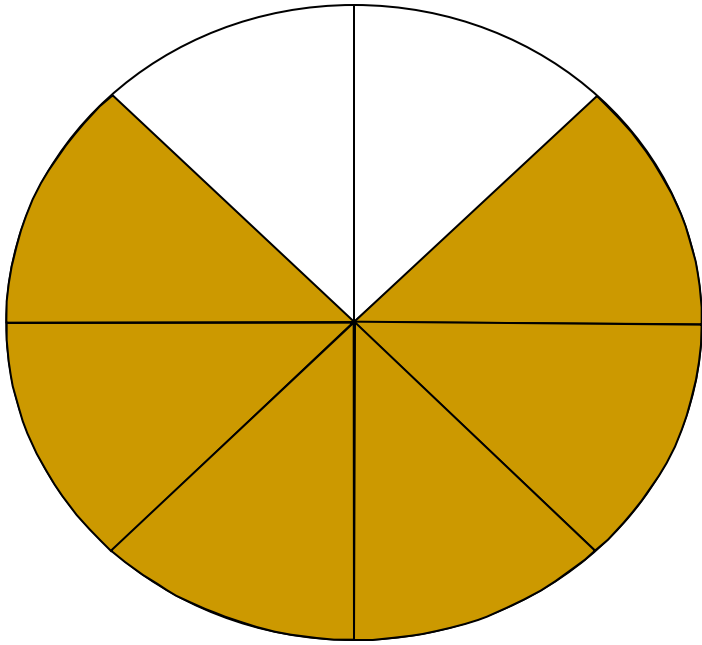
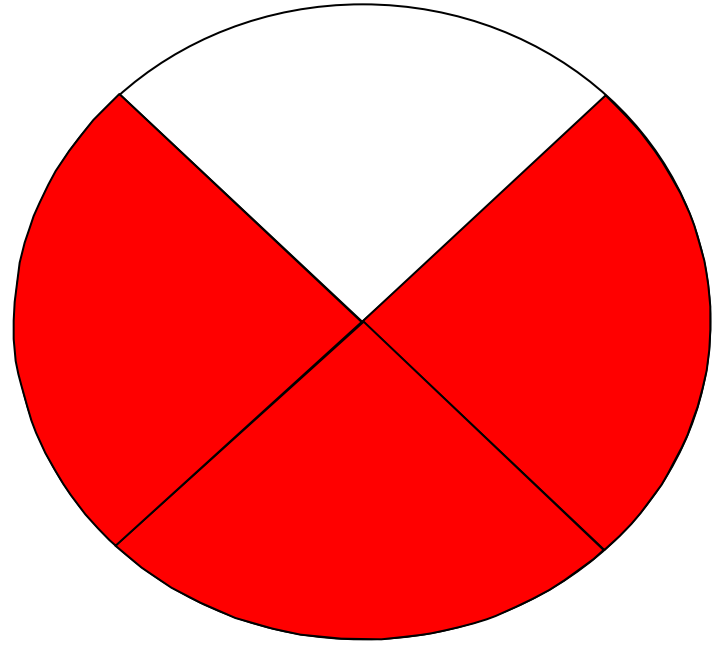

ОСНОВНОЕ СВОЙСТВО ДРОБИ.

УСТНАЯ РАБОТА:

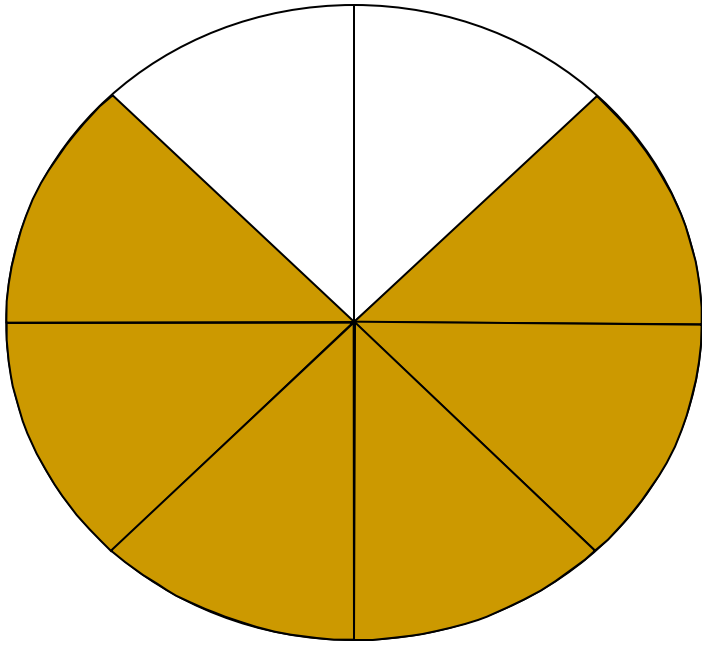
№ 222(а,б), 226.



$$\frac{6}{8}$$

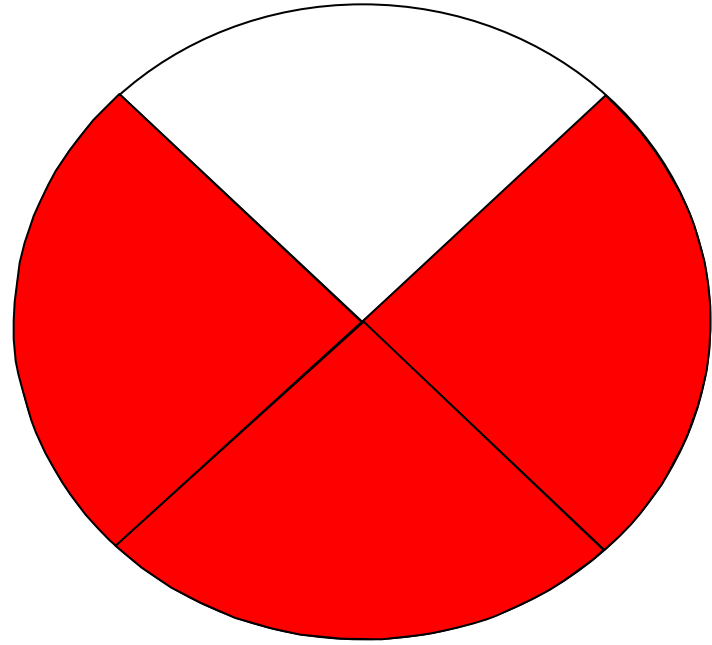


$$\frac{3}{4}$$



$$\frac{6}{8}$$

=



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

Основное свойство дроби

$$\frac{6}{8} = \frac{3}{4}$$

Diagram illustrating the simplification of the fraction $\frac{6}{8}$ to $\frac{3}{4}$ by dividing both the numerator and denominator by 2. The operation is indicated by a $\div 2$ above the fraction and a $\div 2$ below it. Curved arrows show the division of 6 by 2 to get 3 and 8 by 2 to get 4.

$$\frac{6}{8} = \frac{3}{4}$$

Diagram illustrating the expansion of the fraction $\frac{3}{4}$ to $\frac{6}{8}$ by multiplying both the numerator and denominator by 2. The operation is indicated by a $\cdot 2$ above the fraction and a $\cdot 2$ below it. Curved arrows show the multiplication of 3 by 2 to get 6 and 4 by 2 to get 8.

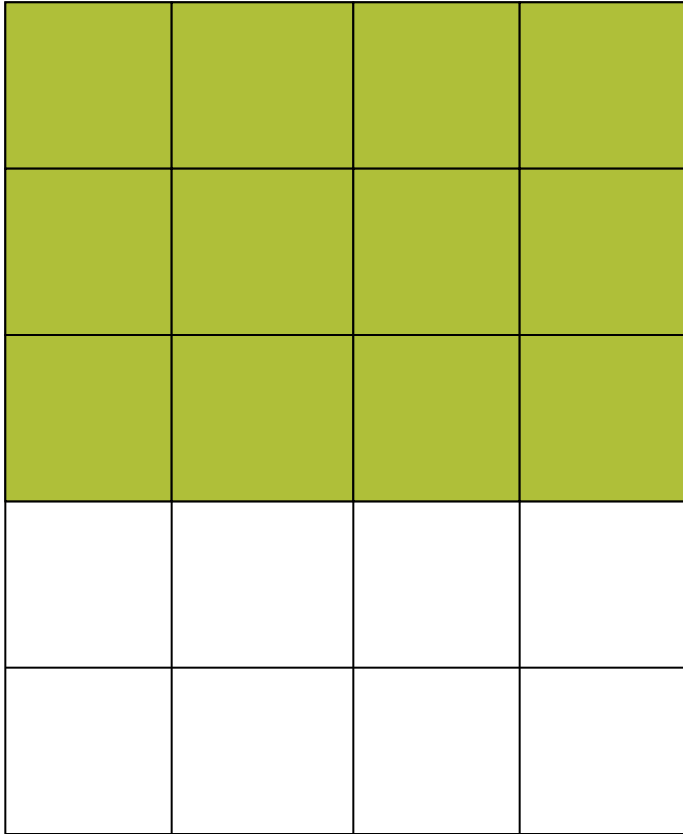
Основное свойство дроби

- $$\frac{6}{8} = \frac{6:2}{8:2} = \frac{3}{4} ;$$

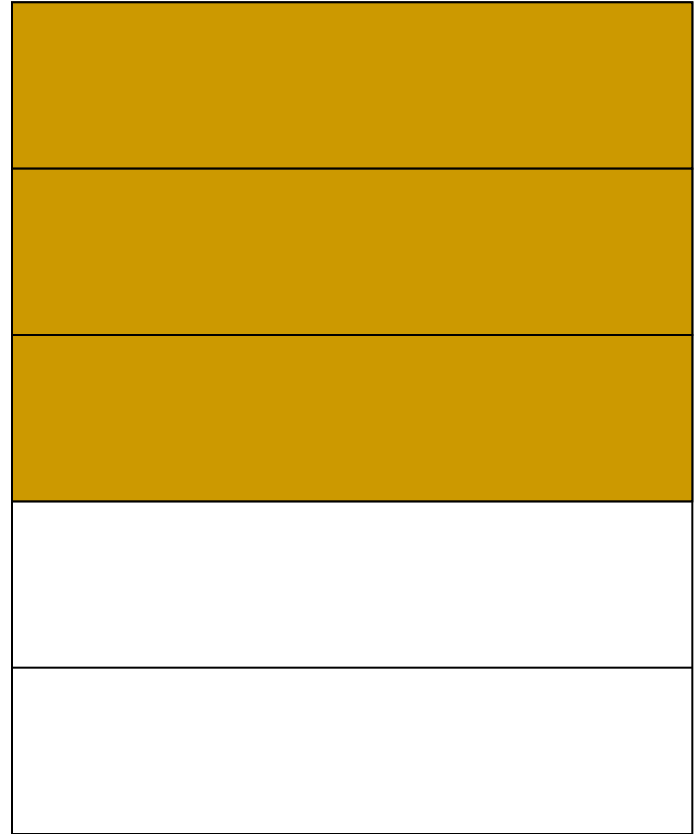
$$\frac{3}{4} = \frac{3 \cdot 2}{4 \cdot 2} = \frac{6}{8} .$$

Основное свойство дроби

Основное свойство дроби

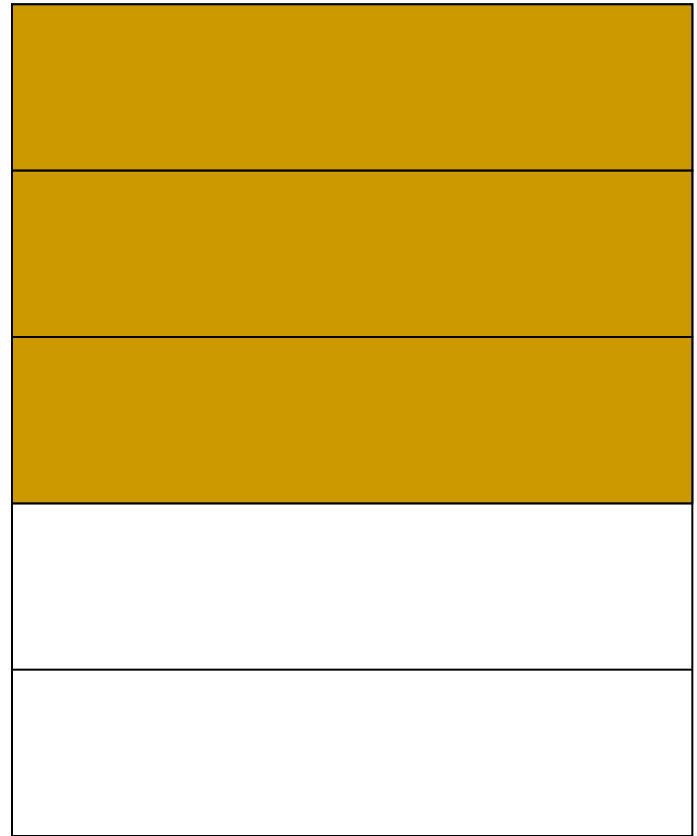
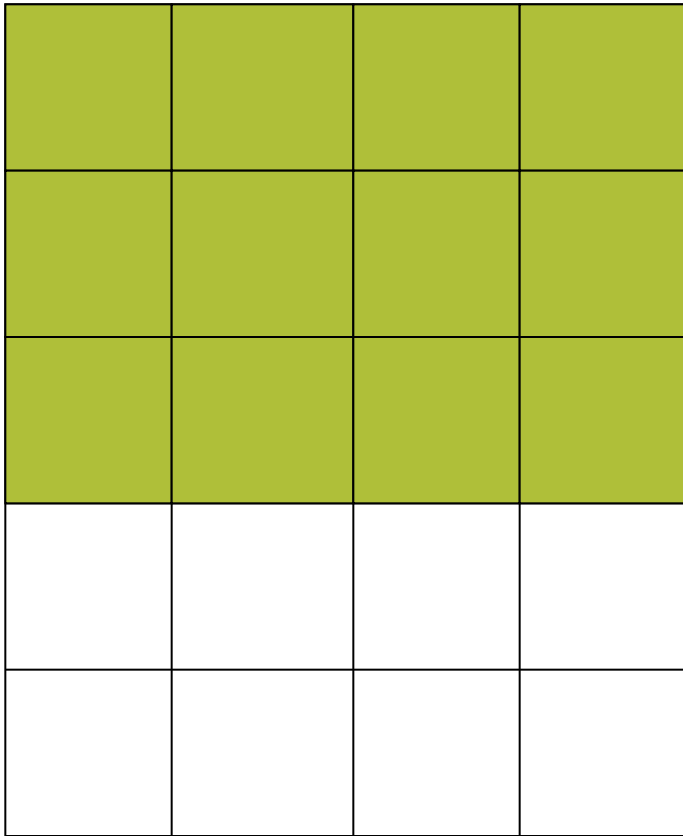


$$\frac{12}{20}$$



$$\frac{3}{5}$$

Основное свойство дроби



$$\frac{12}{20}$$

=

$$\frac{3}{5}$$

Основное свойство дроби

$$\frac{12}{20} = \frac{3}{5}$$

Diagram illustrating the simplification of the fraction $\frac{12}{20}$ to $\frac{3}{5}$ by dividing both the numerator and denominator by 4. The operation is indicated by $\div 4$ above the fraction bar and $\div 4$ below it. Two curved arrows show the division of 12 by 4 to get 3 and 20 by 4 to get 5.

$$\frac{12}{20} = \frac{3}{5}$$

Diagram illustrating the expansion of the fraction $\frac{3}{5}$ to $\frac{12}{20}$ by multiplying both the numerator and denominator by 4. The operation is indicated by $\cdot 4$ above the fraction bar and $\cdot 4$ below it. Two curved arrows show the multiplication of 3 by 4 to get 12 and 5 by 4 to get 20.

Основное свойство дроби

- $$\frac{12}{20} = \frac{12:4}{20:4} = \frac{3}{5} ;$$

$$\frac{3}{5} = \frac{3 \cdot 4}{5 \cdot 4} = \frac{12}{20} .$$

Если числитель и знаменатель дроби умножить или разделить на одно и то же натуральное число, то получится равная ей дробь.

Умножьте числитель и знаменатель каждой дроби на 2.

$$\frac{2}{3} = \frac{2 \cdot 2}{3 \cdot 2} = \frac{4}{6};$$

$$\frac{3}{5}; \frac{4}{7}; \frac{7}{10}; \frac{9}{25}; \frac{17}{100}.$$

Разделите числитель и знаменатель каждой дроби на 3.

$$\frac{3}{9} = \frac{3:3}{9:3} = \frac{1}{3} ;$$

$$\frac{12}{15} ; \frac{9}{21} ; \frac{27}{30} ; \frac{45}{60} ; \frac{36}{90} .$$

ЗАКРЕПЛЕНИЕ:

1. Устно: № 211, 212(а,б), 219;
 2. № 216, 217, 221;
 3. Повторение: № 224, 231.
-

ИТОГ УРОКА:

Вопросы к п.8 стр.35.

ДОМАШНЕЕ ЗАДАНИЕ:

П.8, № 237, 239(а), 241(а),
240(б,г);

Принести циркуль, линейку.

Спасибо за внимание.
