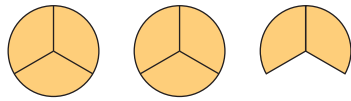




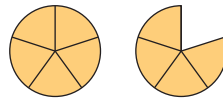
Rozgrzewka

1 Zamień liczby mieszane na ułamki niewłaściwe.



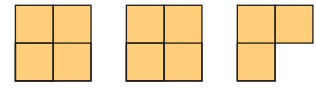
$$2 \cdot 3 + 2 = 8$$

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



$$1 \cdot 5 + 4 = 9$$

$$1\frac{4}{5} = \frac{9}{5}$$

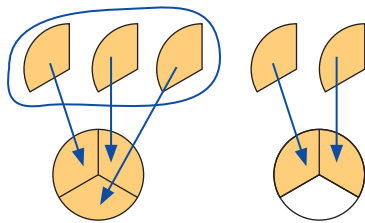


$$2 \cdot 4 + 3 = 11$$

$$2\frac{3}{4} = \frac{11}{4}$$

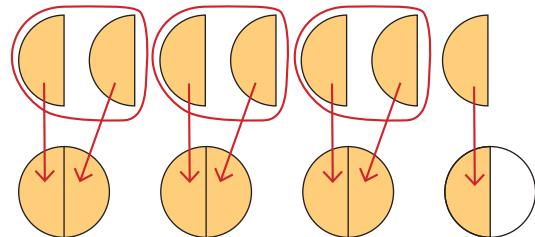
2 Uzupełnij rysunki i zamień ułamki niewłaściwe na liczby mieszane.

$$\frac{5}{3} \quad 5 : 3 = 1 \text{ r } 2$$



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

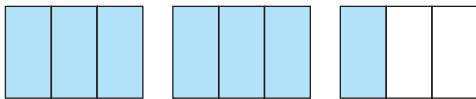
$$\frac{7}{2} \quad 7 : 2 = 3 \text{ r } 1$$



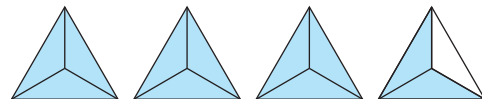
$$\frac{7}{2} = 3\frac{1}{2}$$

Trening

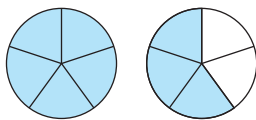
3 Uzupełnij opisy rysunków.



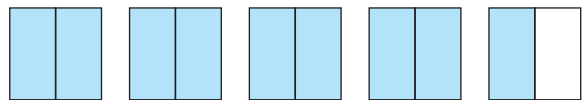
$$2\frac{1}{3} = \frac{7}{3}$$



$$3\frac{2}{3} = \frac{11}{3}$$

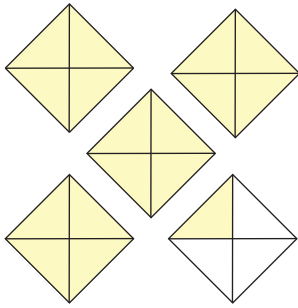


$$1\frac{3}{5} = \frac{8}{5}$$

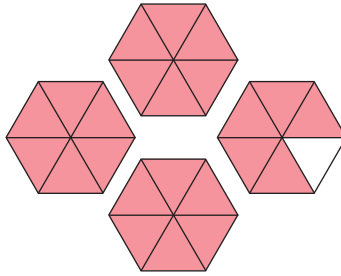


$$4\frac{1}{2} = \frac{9}{2}$$

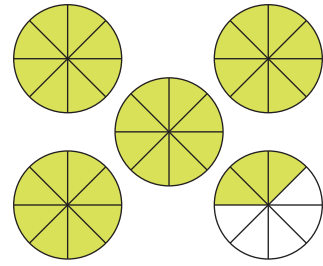
4 Zamaluj odpowiednie części figur. Uzupełnij zapisy.



$$\frac{17}{4} = \underline{4\frac{1}{4}}$$



$$\frac{23}{6} = \underline{3\frac{5}{6}}$$



$$\frac{35}{8} = \underline{4\frac{3}{8}}$$

5 Uporządkuj rosnąco liczby mieszane.

$$2\frac{1}{3} \quad 5\frac{1}{5} \quad 2\frac{2}{3}$$

$$\underline{2\frac{1}{3}} < \underline{2\frac{2}{3}} < \underline{5\frac{1}{5}}$$

$$3\frac{6}{7} \quad 5\frac{2}{7} \quad 4\frac{3}{7}$$

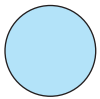
$$\underline{3\frac{6}{7}} < \underline{4\frac{3}{7}} < \underline{5\frac{2}{7}}$$

$$1\frac{1}{3} \quad 1\frac{1}{5} \quad 1\frac{1}{4}$$

$$\underline{1\frac{1}{5}} < \underline{1\frac{1}{4}} < \underline{1\frac{1}{3}}$$

6 Dokończ rysunki i podpisz je uławkami według wzoru. Zapisz różne ułamki równe 1.

Np.



1



$\frac{2}{2}$



$\frac{3}{3}$



$\frac{4}{4}$



$\frac{5}{5}$



$\frac{6}{6}$



$\frac{7}{7}$

$$1 = \frac{2}{2} = \frac{3}{3} = \frac{4}{4} = \frac{5}{5} = \frac{6}{6} = \frac{7}{7}$$

7 Zamień na ułamki niewłaściwe.

$$3\frac{4}{5} = \frac{19}{5}, \text{ bo } \underline{3 \cdot 5 + 4 = 19}$$

$$5\frac{1}{4} = \frac{21}{4}, \text{ bo } \underline{5 \cdot 4 + 1 = 21}$$

$$5\frac{1}{2} = \frac{11}{2}, \text{ bo } \underline{5 \cdot 2 + 1 = 11}$$

$$2\frac{2}{7} = \frac{16}{7}, \text{ bo } \underline{2 \cdot 7 + 2 = 16}$$

8 Zamień na liczby mieszane.

$$\frac{19}{5} = 3\frac{4}{5}, \text{ bo } \underline{19 : 5 = 3 \text{ r } 4}$$

$$\frac{42}{10} = 4\frac{2}{10}, \text{ bo } \underline{42 : 10 = 4 \text{ r } 2}$$

$$\frac{7}{2} = 3\frac{1}{2}, \text{ bo } \underline{7 : 2 = 3 \text{ r } 1}$$

$$\frac{14}{3} = 4\frac{2}{3}, \text{ bo } \underline{14 : 3 = 4 \text{ r } 2}$$

$$\frac{11}{3} = 3\frac{2}{3}, \text{ bo } \underline{11 : 3 = 3 \text{ r } 2}$$

$$\frac{20}{4} = 5, \text{ bo } \underline{20 : 4 = 5 \text{ r } 0}$$