

反射テスト 分数 約分 01

1. 約分せよ. 約分できないものはそのままを書け. (*S* 級 25 秒, *A* 級 40 秒, *B* 級 1 分 20 秒, *C* 級 2 分 30 秒)

(1) $\frac{2}{6}$

(2) $\frac{3}{18}$

(3) $\frac{10}{90}$

(4) $\frac{15}{25}$

(5) $\frac{21}{70}$

(6) $\frac{45}{63}$

(7) $\frac{30}{54}$

(8) $\frac{36}{48}$

(9) $\frac{80}{96}$

2. 約分せよ. 約分できないものはそのままを書け. (*S* 級 25 秒, *A* 級 40 秒, *B* 級 1 分 20 秒, *C* 級 2 分 30 秒)

(1) $\frac{2}{8}$

(2) $\frac{8}{48}$

(3) $\frac{10}{100}$

(4) $\frac{25}{35}$

(5) $\frac{55}{99}$

(6) $\frac{49}{63}$

(7) $\frac{24}{48}$

(8) $\frac{36}{54}$

(9) $\frac{72}{80}$

反射テスト 分数 約分 01 解答解説

1. 約分せよ. 約分できないものはそのままを書け. (S級 25 秒, A級 40 秒, B級 1 分 20 秒, C級 2 分 30 秒)

★約分 分母と分子を公約数で割ること.

$$\begin{aligned}(1) \quad & \frac{2}{6} \\ &= \frac{\cancel{2}^1}{\cancel{6}_3} \leftarrow 2 \text{ で割る} \\ &= \frac{1}{3}\end{aligned}$$

$$\begin{aligned}(2) \quad & \frac{3}{18} \\ &= \frac{\cancel{3}^1}{\cancel{18}_6} \leftarrow 6 \text{ で割る} \\ &= \frac{1}{6}\end{aligned}$$

$$\begin{aligned}(3) \quad & \frac{10}{90} \\ &= \frac{\cancel{10}^1}{\cancel{90}_9} \leftarrow 10 \text{ で割る} \\ &= \frac{1}{9}\end{aligned}$$

$$\begin{aligned}(4) \quad & \frac{15}{25} \\ &= \frac{\cancel{15}^3}{\cancel{25}_5} \leftarrow 5 \text{ で割る} \\ &= \frac{3}{5}\end{aligned}$$

$$\begin{aligned}(5) \quad & \frac{21}{70} \\ &= \frac{\cancel{21}^3}{\cancel{70}_{10}} \leftarrow 7 \text{ で割る} \\ &= \frac{3}{10}\end{aligned}$$

$$\begin{aligned}(6) \quad & \frac{45}{63} \\ &= \frac{\cancel{45}^5}{\cancel{63}_7} \leftarrow 9 \text{ で割る} \\ &= \frac{5}{7}\end{aligned}$$

$$\begin{aligned}(7) \quad & \frac{30}{54} \\ &= \frac{\cancel{30}^5}{\cancel{54}_9} \leftarrow 6 \text{ で割る} \\ &= \frac{5}{9}\end{aligned}$$

$$\begin{aligned}(8) \quad & \frac{36}{48} \\ &= \frac{\cancel{36}^3}{\cancel{48}_4} \leftarrow 12 \text{ で割る} \\ &= \frac{3}{4}\end{aligned}$$

$$\begin{aligned}(9) \quad & \frac{80}{96} \\ &= \frac{\cancel{80}^5}{\cancel{96}_6} \leftarrow 16 \text{ で割る} \\ &= \frac{5}{6}\end{aligned}$$

☆別解 小分けにする.

$$\begin{aligned}\frac{30}{54} &= \frac{\cancel{30}^{15}}{\cancel{54}_{27}} \leftarrow 2 \text{ で割る} \\ &= \frac{\cancel{15}^5}{\cancel{27}_9} \leftarrow 3 \text{ で割る} \\ &= \frac{5}{9}\end{aligned}$$

☆別解

$$\begin{aligned}\frac{36}{48} &= \frac{\cancel{36}^{18}}{\cancel{48}_{24}} \leftarrow 2 \text{ で割る} \\ &= \frac{\cancel{18}^9}{\cancel{24}_{12}} \leftarrow 2 \text{ で割る} \\ &= \frac{\cancel{9}^3}{\cancel{12}_4} \leftarrow 3 \text{ で割る} \\ &= \frac{3}{4}\end{aligned}$$

☆別解

$$\begin{aligned}\frac{80}{96} &= \frac{\cancel{80}^{40}}{\cancel{96}_{48}} \leftarrow 2 \text{ で割る} \\ &= \frac{\cancel{40}^{20}}{\cancel{48}_{24}} \leftarrow 2 \text{ で割る} \\ &= \frac{\cancel{20}^{10}}{\cancel{24}_{12}} \leftarrow 2 \text{ で割る} \\ &= \frac{\cancel{10}^5}{\cancel{12}_6} \leftarrow 2 \text{ で割る} \\ &= \frac{5}{6}\end{aligned}$$

2. 約分せよ. 約分できないものはそのままを書け. (*S* 級 25 秒, *A* 級 40 秒, *B* 級 1 分 20 秒, *C* 級 2 分 30 秒)

$$\begin{aligned} (1) \quad & \frac{2}{8} \\ &= \frac{1}{4} \end{aligned}$$

$$\begin{aligned} (2) \quad & \frac{8}{48} \\ &= \frac{1}{6} \end{aligned}$$

$$\begin{aligned} (3) \quad & \frac{10}{100} \\ &= \frac{1}{10} \end{aligned}$$

$$\begin{aligned} (4) \quad & \frac{25}{35} \\ &= \frac{5}{7} \end{aligned}$$

$$\begin{aligned} (5) \quad & \frac{55}{99} \\ &= \frac{5}{9} \end{aligned}$$

$$\begin{aligned} (6) \quad & \frac{49}{63} \\ &= \frac{7}{9} \end{aligned}$$

$$\begin{aligned} (7) \quad & \frac{24}{48} \\ &= \frac{1}{2} \end{aligned}$$

$$\begin{aligned} (8) \quad & \frac{36}{54} \\ &= \frac{2}{3} \end{aligned}$$

$$\begin{aligned} (9) \quad & \frac{72}{80} \\ &= \frac{9}{10} \end{aligned}$$