

Equivalent Fractions

ANSWER KEY

Grade 3 · Unit 5 · Fractions

Part A

1. Top bar: $\frac{1}{2}$ · Bottom bar: $\frac{2}{4}$ ($\frac{1}{2} = \frac{2}{4}$)

Two bars showing the same shaded amount: top bar in 2 parts with 1 shaded; bottom bar in 4 parts with 2 shaded. Write both fractions.

2. Top bar: $\frac{2}{3}$ · Bottom bar: $\frac{4}{6}$ ($\frac{2}{3} = \frac{4}{6}$)

Two bars showing the same shaded amount: top bar in 3 parts with 2 shaded; bottom bar in 6 parts with 4 shaded. Write both fractions.

3. Top bar: $\frac{3}{4}$ · Bottom bar: $\frac{6}{8}$ ($\frac{3}{4} = \frac{6}{8}$)

Two bars showing the same shaded amount: top bar in 4 parts with 3 shaded; bottom bar in 8 parts with 6 shaded. Write both fractions.

4. Top bar: $\frac{1}{3}$ · Bottom bar: $\frac{2}{6}$ ($\frac{1}{3} = \frac{2}{6}$)

Two bars showing the same shaded amount: top bar in 3 parts with 1 shaded; bottom bar in 6 parts with 2 shaded. Write both fractions.

Part B

5. 2 ($\frac{1}{2} = \frac{2}{4}$)

Fill in the missing numerator: $\frac{1}{2} = \frac{?}{4}$

6. 3 ($\frac{1}{2} = \frac{3}{6}$)

Fill in the missing numerator: $\frac{1}{2} = \frac{?}{6}$

7. 4 ($\frac{1}{2} = \frac{4}{8}$)

Fill in the missing numerator: $\frac{1}{2} = \frac{?}{8}$

8. 2 ($\frac{1}{3} = \frac{2}{6}$)

Fill in the missing numerator: $\frac{1}{3} = \frac{?}{6}$

9. 4 ($\frac{2}{3} = \frac{4}{6}$)

Fill in the missing numerator: $\frac{2}{3} = \frac{?}{6}$

10. 2 ($\frac{1}{4} = \frac{2}{8}$)

Fill in the missing numerator: $\frac{1}{4} = \frac{?}{8}$

Part C

11. Yes

Are $\frac{1}{2}$ and $\frac{2}{4}$ equivalent? Yes or No.

12. Yes

Are $\frac{1}{3}$ and $\frac{2}{6}$ equivalent? Yes or No.

13. No ($\frac{3}{4} = \frac{6}{8}$, not $\frac{5}{8}$)

Are $\frac{3}{4}$ and $\frac{5}{8}$ equivalent? Yes or No.

14. Yes

Are $\frac{2}{3}$ and $\frac{4}{6}$ equivalent? Yes or No.

15. No ($\frac{1}{4} = \frac{2}{8}$, so $\frac{1}{4}$ is bigger)

Are $\frac{1}{4}$ and $\frac{1}{8}$ equivalent? Yes or No.

16. Yes

Are $\frac{3}{6}$ and $\frac{1}{2}$ equivalent? Yes or No.

Answers derived from the worksheet's own source data and independently re-checked.