

Equivalent Fractions

Fractions, Decimals & % · Grade 3

Score: _____ / 10

◆ Medium · 10 Questions

Solve each problem. Show your work in the space provided. Write your answer on the line.

1. Fill in the blank: $\frac{\quad}{6} = \frac{10}{15}$

Answer: _____

2. Which is NOT equivalent to $\frac{3}{4}$?

A) $\frac{6}{8}$ B) $\frac{9}{12}$ C) $\frac{8}{12}$

Answer: _____

3. Find the missing numerator: $\frac{\quad}{20} = \frac{3}{5}$

Answer: _____

4. Find the missing denominator: $\frac{4}{5} = \frac{16}{\quad}$

Answer: _____

5. Fill in the blank: $\frac{2}{8} = \frac{\quad}{4}$

Answer: _____

6. Which is equivalent to $\frac{2}{3}$?

A) $\frac{4}{8}$ B) $\frac{4}{6}$ C) $\frac{6}{12}$

Answer: _____

7. Simplify $\frac{6}{8}$ to lowest terms.

Answer: _____

8. Find the missing numerator: $\frac{6}{9} = \frac{___}{3}$

Answer: _____

9. Are $\frac{5}{10}$ and $\frac{1}{2}$ equivalent? Show how you know.

Answer: _____

10. Fill in the blank: $\frac{4}{12} = \frac{1}{\underline{\hspace{1cm}}}$

Answer: _____

Answer Key

Equivalent Fractions — Medium

1. **4/6**

$10/15 = 2/3$. Find $___/6 = 2/3$: $2 \times 2 = 4$. Answer: $4/6$.

2. **C) 8/12**

$8/12 = 2/3$, not $3/4$. So C is not equivalent.

3. **12**

$5 \times 4 = 20$, so $3 \times 4 = 12$.

4. **20**

$4 \times 4 = 16$, so $5 \times 4 = 20$.

5. **1/4**

Divide by 2: $2 \div 2 = 1$, $8 \div 2 = 4$.

6. **B) 4/6**

$4/6 \div 2 = 2/3$. So B is equivalent.

7. **3/4**

GCF=2. $6 \div 2 = 3$, $8 \div 2 = 4$.

8. **2**

Divide by 3: $6 \div 3 = 2$, $9 \div 3 = 3$.

9. **Yes. $5/10 \div 5/5 = 1/2$.**

Simplify $5/10$: GCF=5. $5 \div 5 = 1$, $10 \div 5 = 2$. So $5/10 = 1/2$.

10. **3**

Divide by 4: $4 \div 4 = 1$, $12 \div 4 = 3$.