

Equivalent Fractions

Fractions, Decimals & % · Grade 3

Score: _____ / 10

● Easy · 10 Questions

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

1. Fill in the blank:

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

Answer: _____

2. Fill in the blank:

$$\frac{2}{3} = \frac{\quad}{9}$$

Answer: _____

3. Fill in the blank:

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

Answer: _____

4. Are $\frac{2}{4}$ and $\frac{1}{2}$ equivalent? Show how you know.

Answer: _____

5. Fill in the blank:

$$\frac{1}{3} = \frac{\quad}{12}$$

Answer: _____

6. Fill in the blank:

$$\frac{4}{5} = \frac{___}{20}$$

Answer: _____

7. Which is equivalent to $\frac{1}{2}$?

A) $\frac{3}{5}$ B) $\frac{4}{8}$ C) $\frac{2}{3}$

Answer: _____

8. Fill in the blank:

$$\frac{2}{5} = \frac{6}{___}$$

Answer: _____

9. Write two fractions equivalent to $\frac{3}{6}$.

Answer: _____

10. Fill in the blank:

$$\frac{5}{10} = \frac{___}{2}$$

Answer: _____

Answer Key

Equivalent Fractions — Easy

1. **2/4**

Multiply top and bottom by 2: $1 \times 2 = 2$, $2 \times 2 = 4$.

2. **6/9**

Multiply by 3: $2 \times 3 = 6$, $3 \times 3 = 9$.

3. **6/8**

Multiply by 2: $3 \times 2 = 6$, $4 \times 2 = 8$.

4. **Yes. Divide 2/4 by 2/2: $2 \div 2 = 1$, $4 \div 2 = 2 \rightarrow 1/2$.**

Simplify 2/4: GCF=2. $2 \div 2 = 1$, $4 \div 2 = 2$. You get 1/2. They are equivalent.

5. **4/12**

Multiply by 4: $1 \times 4 = 4$, $3 \times 4 = 12$.

6. **16/20**

Multiply by 4: $4 \times 4 = 16$, $5 \times 4 = 20$.

7. **B) 4/8**

$4/8 \div 4 = 1/2$. So B is equivalent.

8. **15**

$2 \times 3 = 6$, so also $5 \times 3 = 15$.

9. **1/2, 6/12 (many correct answers)**

$3/6 \div 3 = 1/2$. $3/6 \times 2 = 6/12$.

10. **1/2**

Divide top and bottom by 5: $5 \div 5 = 1$, $10 \div 5 = 2$.