

Equivalent Fractions & Simplifying

Find equivalent fractions, simplify fractions, and justify equivalence using multiplication, division or visual models.

Student Name _____	Class / Section _____ —	Date _____ —	Worksheet MYP1-MATH -02
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MYP APPROACH

Understand • Apply • Reason • Reflect

A. EQUIVALENT OR NOT?

1. $\frac{2}{3} = \frac{\quad}{12}$

2. $\frac{5}{8} = \frac{15}{\quad}$

3. $\frac{4}{10} = \frac{\quad}{5}$

4. $\frac{6}{9} = \frac{\quad}{3}$

B. SIMPLIFY

5. $\frac{12}{18} = \frac{\quad}{\quad}$

6. $\frac{21}{28} = \frac{\quad}{\quad}$

7. $\frac{35}{50} = \frac{\quad}{\quad}$

8. $\frac{42}{56} = \frac{\quad}{\quad}$

Equivalent Fractions & Simplifying — continued

C. REASONING & ERROR ANALYSIS

9. Are $\frac{3}{5}$ and $\frac{12}{20}$ equivalent? Show a calculation or model.
10. Find two different fractions equivalent to $\frac{7}{10}$: _____
and _____
11. A student changes $\frac{4}{9}$ to $\frac{8}{18}$ and says the fraction became bigger. Explain the mistake.
12. Simplify $\frac{24}{36}$. Explain why the value does not change.

SELF-CHECK ☐ I showed working ☐ I checked my answer ☐ I can explain my strategy ☐ I used mathematical language