Equivalent Fractions

1. **Verify whether the following pairs of fractions are equivalent.**

   a. $\frac{1}{8}, \frac{7}{54}$ _____

   b. $\frac{1}{2}, \frac{5}{10}$ _____

   c. $\frac{5}{11}, \frac{15}{31}$ _____

   d. $\frac{1}{3} = \frac{3}{6}$ _____

2. **Write the five equivalent fractions for each:**

   a. $\frac{1}{3}$ = _____ _____ _____ _____ _____

   b. $\frac{7}{11}$ = _____ _____ _____ _____ _____

   c. $\frac{4}{5}$ = _____ _____ _____ _____ _____

   d. $\frac{-9}{11}$ = _____ _____ _____ _____ _____

3. **Fill in the box:**

   a. $\frac{2}{3} = \frac{10}{\square} = \frac{6}{\square} = \frac{\square}{18}$

   b. $\frac{5}{7} = \frac{10}{\square} = \frac{\square}{21} = \frac{20}{\square}$

   c. $\frac{6}{9} = \frac{12}{\square} = \frac{\square}{27} = \frac{24}{\square}$

   d. $\frac{1}{2} = \frac{5}{\square} = \frac{3}{\square} = \frac{\square}{20}$

4. Reduce the following into lowest terms.

a. $\frac{32}{56}$ _____ **b.** $\frac{39}{56}$ _____

c. $\frac{27}{63}$ _____ **d.** $\frac{56}{64}$ _____

e. $\frac{49}{63}$ _____ **f.** $\frac{18}{81}$ _____

g. $\frac{5}{75}$ _____ **h.** $\frac{33}{88}$ _____

i. $\frac{16}{54}$ _____ **j.** $\frac{51}{85}$ _____

5. Find the fractions equivalent to having.

a. Numerator 35 _____ **b.** Numerator 42 _____

6. Find the equivalent fraction of $\frac{4}{9}$ having.

(i) Denominator _____ (ii) Numerator 458 _____

7. Check whether the following fractions are equivalent.

(a) $\frac{8}{3}, \frac{6}{11}$ _____ (b) $\frac{5}{12}, \frac{25}{60}$ _____

8. Reduce each of the following fractions into lowest term.

(a) $\frac{126}{90}$ _____ (b) $\frac{169}{289}$ _____

9. **Match the following.**

a. $\frac{250}{400}$	**(i)** $\frac{6}{8}$
b. $\frac{110}{220}$	**(ii)** $\frac{2}{5}$
c. $\frac{660}{880}$	**(iii)** $\frac{11}{16}$
d. $\frac{220}{550}$	**(iv)** $\frac{5}{8}$
e. $\frac{275}{400}$	**(v)** $\frac{1}{2}$

10. **Radhika had 30 oranges, Geeta had 50 oranges and savita had 80 oranges. In the evening, Radhika, distributed 15 oranges, Geeta distributed 25 oranges and savita distributed 40 oranges. What fraction did each distribute? Check if each has distributed an equal fraction of oranges.**