

# Fractions

**Q1.** A fraction is of the form  $\frac{p}{q}$ . If the HCF (p,q) = 2, is the fraction in its simplest form?

Answer: \_\_\_\_\_

**Q2.** Convert the following unlike fractions into like fractions and find the greatest fraction:

$$\frac{3}{8}, \frac{5}{12}, \frac{3}{10}$$

Answer: Like fractions:  $\frac{\square}{\square}, \frac{\square}{\square}, \frac{\square}{\square}$

Greatest fraction:  $\frac{\square}{\square}$

**Q3.** Identify the type of fractions and match the following:

$\frac{12}{3}$ $\frac{3}{4}$	Mixed fraction
$\frac{112}{17}$	Decimal fraction
$2\frac{1}{3}$	Complex fraction
$\frac{123}{1000}$	Vulgar fraction

**Q4.** Find any two fractions lying between  $\frac{1}{5}$  and  $\frac{2}{5}$ .

Answer: \_\_\_\_\_

**Q5. Represent  $\frac{39}{117}$  as a fraction with the following numerators:**

a. With numerator 78:  $\frac{\square}{\square}$

b. With numerator 1:  $\frac{\square}{\square}$

**Q6. Convert the complex fractions into simple fractions and choose the correct option:**

a.  $\frac{\frac{2}{3}}{\frac{9}{9}}$  (i)  $\frac{2}{27}$  (ii) 6

b.  $\frac{\frac{1}{7}}{\frac{2}{21}}$  (i)  $\frac{2}{147}$  (ii)  $1\frac{1}{2}$

**Q7. What should be added to  $1\frac{2}{5}$  to get  $3\frac{1}{4}$ ?**

Answer: \_\_\_\_\_

**Q8. Multiply  $2\frac{1}{7}$  and  $16\frac{1}{3}$  subtract the result from 50.**

Answer: \_\_\_\_\_

**Q9. Tick the correct answer:**

If the reciprocal of a fraction is greater than itself, then the fraction can be:

- a. proper fraction
- b. improper fraction
- c. unit fraction
- d. both (a) and (c)

**Q10. Sanya's height is  $\frac{2}{3}$  of her mother's height. If her mother's height is 156 cm, find Sanya's height.**

Answer: \_\_\_\_\_

## Answers

1. No

2. Like fractions:  $\frac{45}{120}$ ,  $\frac{50}{120}$ ,  $\frac{36}{120}$ ; Greatest fraction:  $\frac{5}{12}$

3.

$\frac{\frac{12}{3}}{4}$	Complex fraction
$\frac{112}{17}$	Vulgar fraction
$2\frac{1}{3}$	Mixed fraction
$\frac{123}{1000}$	Decimal fraction

4.  $\frac{3}{10}$ ,  $\frac{1}{3}$

5. a.  $\frac{78}{234}$ ; b.  $\frac{1}{3}$

6. a. (i); b (ii)

7.  $1\frac{17}{20}$

8. 15

9. (d)

10. 104 cm