# Fraction worksheet

1. Which is greater (a) $\frac{2}{9}$ or $\frac{5}{9}$ (b) $\frac{1}{18}$ or $\frac{1}{6}$ (c) $\frac{2}{119}$ or $\frac{19}{119}$

2. Arrange the following fractions in ascending order

(a) $\frac{5}{8}, \frac{3}{4}, \frac{2}{4}, \frac{1}{6}$

(b) $\frac{9}{17}, \frac{9}{15}, \frac{5}{16}, \frac{2}{7}$

3. Arrange the following fractions in descending order.

   (a) $\frac{170}{11}, \frac{82}{11}, \frac{25}{11}, \frac{86}{11}$

   (b) $\frac{7}{18}, \frac{3}{12}, \frac{2}{15}, \frac{5}{19}$

4. Find the sum (a) $\frac{1}{4} + \frac{13}{5}$ (b) $\frac{5}{18} + \frac{2}{14}$ (c) $3\frac{3}{4} + 4\frac{3}{4}$ (d) $9\frac{4}{10} + 4\frac{4}{10} + 7\frac{4}{10}$ (e) $3\frac{1}{12} + \frac{5}{24} + 2\frac{7}{18}$

5. Solve (a) $6\frac{1}{4} - 2\frac{1}{6}$ (b) $3\frac{1}{4} - 1\frac{1}{2} + 4$

6. Solve (a) $2\frac{3}{8} - 1\frac{1}{4}$ (b) $4\frac{1}{3} - 1\frac{2}{3} + 5$ (c) $12\frac{1}{5} - 3\frac{1}{4} + 2\frac{1}{20}$

7. The fraction which is not equal to $\frac{4}{5}$ is (a) $\frac{40}{50}$ (b) $\frac{12}{15}$ (c) $\frac{16}{20}$ (d) $\frac{9}{15}$

8. Which of the following fractions is the greatest? (a) $\frac{5}{7}$ (b) $\frac{5}{6}$ (c) $\frac{5}{9}$ (d) $\frac{5}{8}$

9. $\frac{1}{4}$ students of a class failed in a competitive exam. What fraction of the students passed?

10. From a tape $4\frac{1}{2}$ m long, $1\frac{1}{8}$ was cut off. Find the length of the remaining tape.

11. Anita is $2\frac{1}{9}$ m tall. Rohit is $1\frac{7}{18}$ m tall. Who is taller? What is the sum of their heights?

12. A soldier fired $\frac{2}{5}$ of the cartridges he had. What fraction of cartridges were remaining with him.

13. Rohit travelled $7\frac{1}{2}$ km. He walked $4\frac{2}{3}$ km and he covered the rest of the distance by bus. How much distance did he cover by bus?

14. $\frac{5}{8}$ and $\frac{3}{8}$ are _____ proper fractions.

15. $\frac{6}{11}$ and $\frac{6}{13}$ are _____ proper fractions.

16. The fraction $\frac{6}{15}$ in simplest form is _____.

17. The fraction $\frac{17}{34}$ in simplest form is _____.

18. $\frac{18}{135}$ and $\frac{90}{675}$ are proper, unlike and _____ fractions.

19. Write $\frac{3}{4}$ as a fraction with denominator 44.

20. Subtract $1\frac{1}{4}$ from $1\frac{6}{2}$.

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Ans. 1. (a) $\frac{5}{9}$  $(b)\frac{1}{6}$  $(c)\frac{19}{119}$

2.(a) $\frac{1}{6} < \frac{2}{4} < \frac{5}{8} < \frac{3}{4}$  (b) $\frac{2}{7} < \frac{5}{16} < \frac{9}{17} < \frac{9}{15}$

3. (a) $\frac{170}{11} > \frac{86}{11} > \frac{82}{11} > \frac{25}{11}$  (b) $\frac{7}{18} > \frac{5}{19} > \frac{3}{12} > \frac{2}{15}$

4. (a) $\frac{57}{20}$  $(b)\frac{106}{252}$  $(c)\frac{34}{4}$  $(d)\frac{212}{10}$  $(e)\frac{409}{72}$

5. (a) $4\frac{1}{12}$  $(b)5\frac{3}{4}$

6. (a) $1\frac{1}{8}$  $(b)7\frac{2}{3}$  $(c)11$

7. (d)    8. (b)    9. $\frac{3}{4}$    10. $\frac{27}{8}$    11. $\frac{13}{18}$    12. $\frac{3}{5}$    13. $2\frac{5}{6}$    14. like

15. unlike    16. $\frac{2}{5}$    17. $\frac{1}{2}$    18. Equivalent    19. $\frac{33}{44}$    20. $5\frac{1}{4}$

Extra questions:

**Fill in the blanks-type questions. (with answers)**

**(i)** A ........................ indicates one or more parts of a whole.

**(ii)** A fraction obtained by multiplying or dividing the numerator and denominator by the same non-zero number is called an ............................... of the given fraction.

**(iii)** A fraction with a numerator less than its denominator is called a .............................

**(iv)** A fraction with a numerator greater than or equal to its denominator is called an ..............................

**(v)** Fractions with the same denominators are called ...........................

**(vi)** Fractions with different denominators are called ..............................

**(vii)** A fraction is said to be in its ............................... if the HCF of its numerator and denominator is 1.

**(viii)** If we compare two fractions with the same denominators, then the one with the greater numerator is ..................

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**(ix)** If we compare two fractions with the same numerators, then the one with the smaller denominator is ...................

**(x)** A combination of a whole number and a proper fraction is a .....................

Ans. (i) Fraction      (ii) Equivalent fraction      (iii) proper fraction      (iv) improper fraction   (v) like fractions   (vi) unlike fractions   (vii) simplest form   (viii) greater  (ix) greater   (x) mixed numeral

**Tick the correct answer.**

(i) $\frac{1}{3} + \frac{1}{6} = $ .........

(a) $\frac{2}{9}$      (b) $\frac{1}{18}$     (c) $\frac{1}{2}$      (d 1

(ii) $5\frac{6}{7} - 3\frac{4}{5} = $.................

(a) $2\frac{1}{2}$       (b) $2\frac{2}{35}$      (c) $2\frac{3}{5}$      (d) $2\frac{11}{35}$

(iii) Anita put $\frac{1}{4}$ cup of flour in a bowl . Meena mixed $\frac{1}{6}$ cup of flour in it. How much more flour should Arti mix in it to make it equal to 1 cup of flour ?

(a) $\frac{5}{6}$    (b) $\frac{3}{8}$    (c) $\frac{5}{12}$    (d) $\frac{7}{12}$

(iv) Which of the following statements is incorrect?

(a) $\frac{2}{3} > \frac{2}{5}$      (b) $\frac{7}{9} > \frac{5}{9}$      (c) $\frac{10}{11} = \frac{100}{110}$      (d) $\frac{3}{8} > \frac{7}{12}$

(v) Which of the following fractions is in  its lowest terms

(a) $\frac{28}{79}$     (b) $\frac{31}{93}$     (c) $\frac{27}{156}$     (d) $\frac{57}{152}$

Ans. (i) (c)    (ii) (b)    (iii) (d)     (iv) (d)     (v) (a)