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## Fractions Worksheets

- 1) In a rice factory, if each kg of rice needs  $\frac{1}{5}$  th of total amount of raw paddy. How much amount of raw paddy will be needed to manufacture 3 kg of rice, if the total amount of paddy available is 300 kg?



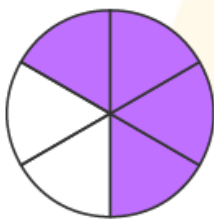
- 2) Solve:

$$\frac{51}{24} \times \frac{18}{17}$$

- 3) Find the missing terms:

$$\frac{4}{5} - \frac{1}{3} = \frac{?}{15} - \frac{5}{?} = ?$$

- 4) What is the fraction of the shaded area in the following figures?



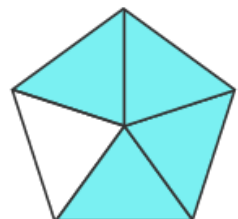
(a)



(b)



(c)



(d)

- 5) If at a time  $\frac{5}{11}$ th of the airplanes flying in the sky are blue colored, and  $\frac{3}{11}$ th of them are red colored, the rest are yellow colored. Find the fraction of the airplanes that are yellow colored.

6) Find the value of  $\frac{3}{8} + \frac{2}{8}$ ?

7) Match the following fractions with their appropriate description:

a. $\frac{14}{11}$	i. Mixed fraction
b. $\frac{6}{7}$	ii. Improper fraction
c. $1\frac{9}{10}$	iii. Proper fraction

8) Find the area of a square park which has a side length of  $\frac{3}{14}$  km.

9) The summation of  $\frac{3}{7}$  and  $\frac{4}{7}$  will make a whole. The given statement is

- a) True
- b) False

10) Subtract the given fractions:

$$\frac{14}{17} - \frac{9}{17}$$

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"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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## ANSWERS

1)	180 kg
2)	$\frac{9}{4}$
3)	12, 15, $\frac{7}{15}$
4)	a) $\frac{4}{6}$ b) $\frac{2}{8}$ c) $\frac{2}{3}$ d) $\frac{4}{5}$
5)	$\frac{3}{11}$
6)	$\frac{5}{8}$
7)	a--ii; b--iii; c--i
8)	$\frac{5}{7}$ th portion
9)	a) True
10)	$\frac{5}{17}$

## FUN FACT

1. The early applications of [fractions](#) included the division of food, supplies and the absence of a bullion currency.
2. If you have a common [denominator](#) for the terms while adding or subtracting fractions, then you can simply perform the operations on the [numerators](#) and leave the denominators.
3. The word fraction has its origin from the Latin word "fractio", meaning "to break".

