# FRACTIONS

**5**

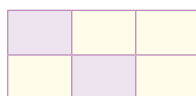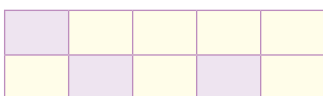**Q1. Write the fraction for the shaded portion in the figures given below. Also find the sum of the two fractions.**

Fraction : _____ , _____

Sum: _____

**Q2. What fraction of numbers between 1 and 100 are multiples of 10.**

Answer: _____

**Q3. Find the equivalent fractions from the following:**

$$\frac{2}{5}, \frac{14}{25}, \frac{40}{100}, \frac{70}{175}$$

Answer: _____

**Q4. Match the following mixed fractions with their equivalent improper fractions:**

| | |
|---|---|
| $2\frac{5}{13}$ | $\frac{36}{5}$ |
| $13\frac{2}{5}$ | $\frac{31}{13}$ |
| $7\frac{1}{5}$ | $\frac{67}{5}$ |

**Q5. Represent the following fraction on the number line:**

$1\frac{2}{7}$

**Q6. Compare the fractions and put the correct sign <, > or =:**

a.  $\frac{3}{4}$ _____ $\frac{5}{7}$

1

b. $\dfrac{7}{90}$ _____ $\dfrac{8}{100}$

c. $\dfrac{5}{23}$ _____ $\dfrac{25}{115}$

**Q7.** **Sum of two fractions is $\dfrac{11}{54}$. If one of the fractions is $\dfrac{1}{5}$, find the other fraction.**

Answer: _____

**Q8.** **A truck containing 720 bottles was on its way to the grocery shop. When it reached the shop, the owner noticed $\dfrac{1}{8}$ of the bottles were broken. How many bottles were intact?**

Answer: _____

**Q9.** **Subtract the sum of $\dfrac{5}{21}$ and $\dfrac{3}{11}$ from the product of $\dfrac{3}{7}$ and $3\dfrac{7}{9}$.**

Answer: _____

**Q10. Simplify:**

$$7\dfrac{1}{4}+\left[3\dfrac{1}{8}+\left\{6-\left(\dfrac{7}{5}\times\overline{\dfrac{5}{14}+\dfrac{5}{56}}\right)\right\}\right]$$

Answer: _____

# ANSWERS

1. $\dfrac{19}{30}$

2. $\dfrac{9}{98}$

3. $\dfrac{2}{5}, \dfrac{40}{100}, \dfrac{70}{175}$

4.

| | |
|---|---|
| $2\dfrac{5}{13}$ | $\dfrac{31}{13}$ |
| $13\dfrac{2}{5}$ | $\dfrac{67}{5}$ |
| $7\dfrac{1}{5}$ | $\dfrac{36}{5}$ |

5. $A = 1\dfrac{2}{7}$



6. a. $>$

   b. $<$

   c. $=$

7. $\dfrac{1}{270}$

8. 630 bottles

9. $1\dfrac{25}{231}$

10. $15\dfrac{3}{4}$