

Fractions -2

1. Add the following fractions.

- $\frac{5}{8} + \frac{2}{8}$ Answer: $\frac{(5+2)}{8} = \frac{7}{8}$
- $\frac{4}{9} + \frac{7}{9}$ Answer: $\frac{(4+7)}{9} = \frac{11}{9}$
- $\frac{6}{5} + \frac{3}{5}$ Answer: $\frac{(6+3)}{5} = \frac{9}{5}$

2. $\frac{45}{63} + \frac{57}{63}$ is

- a) $\frac{102}{126}$
- b) $\frac{102}{63}$
- c) $\frac{95}{126}$
- d) $\frac{112}{63}$

Answer: (b). $\frac{(45+57)}{63} = \frac{102}{63}$

3. Arjun eats $\frac{3}{8}$ of a pizza. After an hour, he eats $\frac{2}{8}$ of the same pizza. How much part of the pizza did he eat?

Answer: $\frac{5}{8}$ because $\frac{(3+2)}{8} = \frac{5}{8}$.

4. Subtract the following fractions.

- $\frac{7}{13} - \frac{4}{13}$ Answer: $\frac{(7-4)}{13} = \frac{3}{13}$
- $\frac{7}{5} - \frac{3}{5}$ Answer: $\frac{(7-3)}{5} = \frac{4}{5}$
- $\frac{13}{4} - \frac{9}{4}$ Answer: $\frac{(13-9)}{4} = \frac{4}{4} = 1$

5. $\frac{81}{89} - \frac{43}{89}$ is

- a) $\frac{28}{89}$
- b) $\frac{38}{0}$
- c) $\frac{48}{89}$
- d) $\frac{38}{89}$

Answer: (d) because $\frac{(81-43)}{89} = \frac{38}{89}$.

6. $3 \times \frac{4}{13}$ is

- a) $\frac{12}{39}$
- b) $\frac{4}{39}$
- c) $\frac{12}{13}$
- d) $\frac{34}{13}$

Answer: (c) because $\frac{(3 \times 4)}{13} = \frac{12}{13}$.

7. Multiply the following fractions.

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- $\frac{3}{4} \times \frac{5}{7}$ Answer: $\frac{(3 \times 5)}{(4 \times 7)} = \frac{15}{28}$
- $\frac{12}{7} \times \frac{5}{8}$ Answer: $\frac{(12 \times 5)}{(7 \times 8)} = \frac{60}{56} = \frac{15}{14}$
- $\frac{5}{17} \times \frac{13}{11}$ Answer: $\frac{(5 \times 13)}{(17 \times 11)} = \frac{65}{187}$

8. What is $\frac{4}{5}$ of $\frac{1}{4}$?

Answer: $\frac{(4 \times 1)}{(5 \times 4)} = \frac{4}{20} = \frac{1}{5}$

9. Divide 3 by $\frac{3}{7}$.

Answer: 7. Reciprocal of $\frac{3}{7}$ is $\frac{7}{3}$, hence $\frac{(3 \times 7)}{3} = \frac{21}{3} = 7$

10. Divide $\frac{2}{5}$ by $\frac{1}{4}$.

Answer: $\frac{8}{5}$. Reciprocal of $\frac{1}{4}$ is 4, hence $\frac{(4 \times 2)}{5} = \frac{8}{5}$

How did you do? If you didn't do well, watch the following videos and try again!

- [Addition of Fractions](#)
- [Subtraction of Fractions](#)
- [Multiplication of Fractions](#)
- [Dividing Fractions](#)