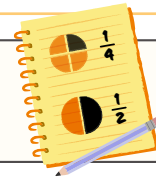


# Multiplying Fractions



## Section A Calculate.

|                                     |                                      |                                       |
|-------------------------------------|--------------------------------------|---------------------------------------|
| 1) $\frac{1}{3} \times \frac{3}{8}$ | 4) $\frac{3}{8} \times 2$            | 7) $-\frac{2}{3} \times -\frac{3}{8}$ |
| 2) $\frac{1}{3}$ of $\frac{3}{8}$   | 5) $\frac{2}{3} \times \frac{3}{8}$  | 8) $\left(\frac{3}{8}\right)^2$       |
| 3) $\frac{3}{8} \times \frac{1}{3}$ | 6) $-\frac{2}{3} \times \frac{3}{8}$ | 9) $\frac{3}{8} \times 2\frac{1}{4}$  |

## Section B Complete the multiplication grid.

|                |               |               |                |
|----------------|---------------|---------------|----------------|
| x              | $\frac{1}{2}$ | $\frac{3}{2}$ | $-\frac{4}{5}$ |
| 9              |               |               |                |
| $-\frac{4}{5}$ |               |               |                |
| $3\frac{2}{5}$ |               |               |                |

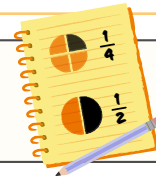
## Section C Fill the gaps.

|   |   |  |
|---|---|--|
| 1) $\frac{2}{5} \times \frac{3}{7} = \frac{\quad}{35}$  | 5) $\frac{2}{9} \times \frac{7}{11} = 1\frac{5}{9}$                 | 9) $\frac{3}{4} \times \frac{3}{5} \times \frac{1}{7} = \frac{9}{140}$ |
| 2) $\frac{7}{9} \times \frac{2}{9} = \frac{4}{63}$      | 6) $\frac{2}{9} \times \frac{6}{11} = \frac{4}{\quad}$              | 10) $1\frac{4}{5} \times 1\frac{1}{3} = \frac{2}{5}$                   |
| 3) $\frac{3}{10} \times \frac{\quad}{2} = \frac{3}{20}$ | 7) $\frac{4}{5} \times \frac{\quad}{10} = \frac{6}{25}$             | 11) $\text{---} \times -\frac{3}{7} = \frac{12}{35}$                   |
| 4) $\frac{5}{7} \times \frac{2}{\quad} = \frac{10}{77}$ | 8) $\frac{1}{2} \times \frac{2}{3} \times \frac{3}{4} = \text{---}$ | 12) $\frac{2}{3} \times \text{---} = 1$                                |

## Section D Spot and explain the mistakes.

|  |  |   |
|--|--|---|
| 1) $\frac{1}{7} \times \frac{1}{3} = \frac{2}{21}$ | 2) $3 \times \frac{2}{5} = \frac{6}{15}$ | 3) $\frac{2}{5} \times \frac{1}{3} = \frac{6}{15} \times \frac{1}{15}$<br>$= \frac{6}{225}$<br>$= \frac{2}{75}$ |
|--|--|---|

# Multiplying Fractions



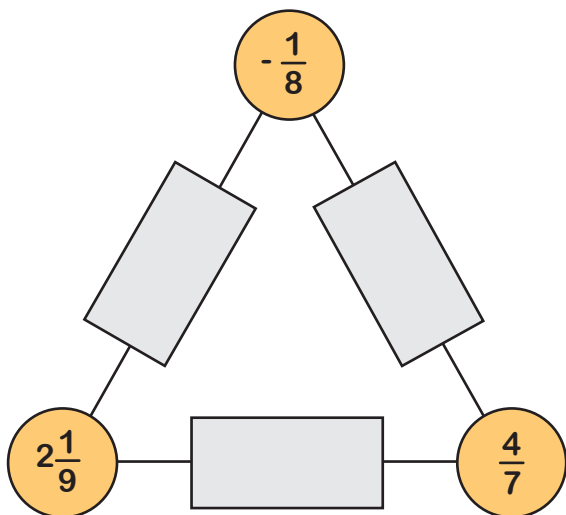
## Section E

|                                     |  |  |
|-------------------------------------|--|--|
| 1) $\frac{a}{b} \times \frac{c}{d}$ | 4) $b \times \frac{c}{d}$              | 7) $\frac{2a}{b} \times \frac{2a^2}{7b}$ |
| 2) $\frac{a}{b} \times \frac{a}{c}$ | 5) $\frac{a+1}{b} \times \frac{3}{5}$  | 8) $\frac{a}{2} \times \frac{2}{a}$      |
| 3) $\frac{a}{4} \times \frac{3}{b}$ | 6) $\frac{2a}{b} \times \frac{4c}{7b}$ | 9) $a\frac{b}{c} \times \frac{a}{d}$     |

## Section F Complete each puzzle.

1) Write down 3 fraction multiplications with an answer of  $\frac{1}{4}$ .

2) In the arithmagon below, the product of two fractions goes in the rectangle between them.



3) In this magic square, the product of each column, row, and diagonal is 1.

|  |   |                |
|--|---|----------------|
|  |   |                |
|  | 1 | $1\frac{7}{9}$ |
|  |   | $\frac{3}{8}$  |