

# 左にどこまでも続く数

- $\frac{1}{2} = \dots\dots 000000000000.5$
- $\frac{1}{3} = \dots\dots 6666666666667.$
- $\frac{2}{3} = \dots\dots 3333333333334.$
- $\frac{1}{4} = \dots\dots 000000000000.25$
- $\frac{3}{4} = \dots\dots 000000000000.75$
- $\frac{1}{5} = \dots\dots 000000000000.2$
- $\frac{2}{5} = \dots\dots 000000000000.4$
- $\frac{3}{5} = \dots\dots 000000000000.6$
- $\frac{4}{5} = \dots\dots 000000000000.8$
- $\frac{1}{6} = \dots\dots 333333333333.5$
- $\frac{5}{6} = \dots\dots 6666666666667.5$
- $\frac{1}{7} = \dots\dots 2857142857143.$
- $\frac{2}{7} = \dots\dots 5714285714286.$
- $\frac{3}{7} = \dots\dots 8571428571429.$
- $\frac{4}{7} = \dots\dots 1428571428572.$
- $\frac{5}{7} = \dots\dots 4285714285715.$
- $\frac{6}{7} = \dots\dots 7142857142858.$
- $\frac{1}{9} = \dots\dots 8888888888889.$
- $\frac{2}{9} = \dots\dots 7777777777778.$
- $\frac{4}{9} = \dots\dots 5555555555556.$
- $\frac{5}{9} = \dots\dots 4444444444445.$
- $\frac{7}{9} = \dots\dots 2222222222223.$
- $\frac{8}{9} = \dots\dots 1111111111112.$

- $-1 = \dots\dots 99999999999.$
- $-2 = \dots\dots 999999999998.$
- $-3 = \dots\dots 999999999997.$
- $\vdots$
- $-10 = \dots\dots 999999999990.$
- $\vdots$

## 問題

以下の等式が成り立つことを確認せよ。

- (1)  $\frac{1}{3} \times 3 = 1$
- (2)  $\frac{2}{3} \times 3 = 2$
- (3)  $\frac{1}{3} \times 2 = \frac{2}{3}$
- (4)  $\frac{1}{3} + \frac{2}{3} = 1$
- (5)  $\frac{1}{7} \times 7 = 1$
- (6)  $\frac{6}{7} \times 7 = 6$
- (7)  $\frac{1}{7} \times 6 = \frac{6}{7}$
- (8)  $\frac{1}{7} + \frac{6}{7} = 1$
- (9)  $\frac{1}{3} + \frac{1}{6} = \frac{1}{2}$
- (10)  $\frac{1}{3} + \frac{1}{2} = \frac{5}{6}$
- (11)  $\frac{1}{3} \times \frac{1}{2} = \frac{1}{6}$
- (12)  $\frac{1}{9} + 1 = \frac{1}{9} \times 10$
- (13)  $\frac{1}{7} + 1 = \frac{1}{7} \times 8$
- (14)  $\frac{3}{7} \times \frac{1}{3} = \frac{1}{7}$
- (15)  $(-1) \times 2 = (-1) + (-1) = -2$
- (16)  $(-1) \times \frac{2}{3} = (-2) \times \frac{1}{3}$