

場合の数・確率 Cの練習 No.1の解答

1. 次の値を求めよ。

$$(1) {}_{14}C_2 \\ = \frac{14 \times 13}{2 \times 1}$$

答. 91

$$(2) {}_{20}C_3 \\ = \frac{20 \times 19 \times 18}{3 \times 2 \times 1}$$

答. 1140

$$(3) {}_{10}C_5 \\ = \frac{10 \times 9 \times 8 \times 7 \times 6}{5 \times 4 \times 3 \times 2 \times 1}$$

答. 252

$$(4) {}_2C_1 \\ = \frac{2}{1}$$

答. 2

$$(5) {}_{10}C_4 \\ = \frac{10 \times 9 \times 8 \times 7}{4 \times 3 \times 2 \times 1}$$

答. 210

$$(6) {}_8C_1 \\ = \frac{8}{1}$$

答. 8

$$(7) {}_6C_2 \\ = \frac{6 \times 5}{2 \times 1}$$

答. 15

$$(8) {}_{16}C_3 \\ = \frac{16 \times 15 \times 14}{3 \times 2 \times 1}$$

答. 560

$$(9) {}_8C_3 \\ = \frac{8 \times 7 \times 6}{3 \times 2 \times 1}$$

答. 56

$$(10) {}_4C_3 \\ = \frac{4 \times 3 \times 2}{3 \times 2 \times 1}$$

答. 4

場合の数・確率 Cの練習 No.2の解答

1. 次の値を求めよ。

$$(1) {}_5C_1 \\ = \frac{5}{1}$$

答. 5

$$(2) {}_{10}C_3 \\ = \frac{10 \times 9 \times 8}{3 \times 2 \times 1}$$

答. 120

$$(3) {}_9C_3 \\ = \frac{9 \times 8 \times 7}{3 \times 2 \times 1}$$

答. 84

$$(4) {}_{25}C_2 \\ = \frac{25 \times 24}{2 \times 1}$$

答. 300

$$(5) {}_{16}C_2 \\ = \frac{16 \times 15}{2 \times 1}$$

答. 120

$$(6) {}_6C_4 \\ = \frac{6 \times 5 \times 4 \times 3}{4 \times 3 \times 2 \times 1}$$

答. 15

$$(7) {}_7C_7 \\ = \frac{7 \times 6 \times 5 \times 4 \times 3 \times 2 \times 1}{7 \times 6 \times 5 \times 4 \times 3 \times 2 \times 1}$$

答. 1

$$(8) {}_8C_2 \\ = \frac{8 \times 7}{2 \times 1}$$

答. 28

$$(9) {}_{16}C_3 \\ = \frac{16 \times 15 \times 14}{3 \times 2 \times 1}$$

答. 560

$$(10) {}_4C_2 \\ = \frac{4 \times 3}{2 \times 1}$$

答. 6

場合の数・確率 Cの練習 No.3の解答

1. 次の値を求めよ。

$$(1) {}_7C_6 \\ = \frac{7 \times 6 \times 5 \times 4 \times 3 \times 2}{6 \times 5 \times 4 \times 3 \times 2 \times 1}$$

答. 7

$$(2) {}_{11}C_2 \\ = \frac{11 \times 10}{2 \times 1}$$

答. 55

$$(3) {}_{13}C_2 \\ = \frac{13 \times 12}{2 \times 1}$$

答. 78

$$(4) {}_2C_2 \\ = \frac{2 \times 1}{2 \times 1}$$

答. 1

$$(5) {}_5C_5 \\ = \frac{5 \times 4 \times 3 \times 2 \times 1}{5 \times 4 \times 3 \times 2 \times 1}$$

答. 1

$$(6) {}_7C_7 \\ = \frac{7 \times 6 \times 5 \times 4 \times 3 \times 2 \times 1}{7 \times 6 \times 5 \times 4 \times 3 \times 2 \times 1}$$

答. 1

$$(7) {}_{50}C_2 \\ = \frac{50 \times 49}{2 \times 1}$$

答. 1225

$$(8) {}_5C_3 \\ = \frac{5 \times 4 \times 3}{3 \times 2 \times 1}$$

答. 10

$$(9) {}_2C_1 \\ = \frac{2}{1}$$

答. 2

$$(10) {}_3C_1 \\ = \frac{3}{1}$$

答. 3

場合の数・確率 Cの練習 No.4の解答

1. 次の値を求めよ。

$$(1) {}_{10}C_1 \\ = \frac{10}{1}$$

答. 10

$$(2) {}_2C_2 \\ = \frac{2 \times 1}{2 \times 1}$$

答. 1

$$(3) {}_8C_3 \\ = \frac{8 \times 7 \times 6}{3 \times 2 \times 1}$$

答. 56

$$(4) {}_{11}C_2 \\ = \frac{11 \times 10}{2 \times 1}$$

答. 55

$$(5) {}_2C_1 \\ = \frac{2}{1}$$

答. 2

$$(6) {}_6C_3 \\ = \frac{6 \times 5 \times 4}{3 \times 2 \times 1}$$

答. 20

$$(7) {}_6C_2 \\ = \frac{6 \times 5}{2 \times 1}$$

答. 15

$$(8) {}_9C_4 \\ = \frac{9 \times 8 \times 7 \times 6}{4 \times 3 \times 2 \times 1}$$

答. 126

$$(9) {}_8C_2 \\ = \frac{8 \times 7}{2 \times 1}$$

答. 28

$$(10) {}_{25}C_2 \\ = \frac{25 \times 24}{2 \times 1}$$

答. 300

場合の数・確率 Cの練習 No.5の解答

1. 次の値を求めよ。

$$(1) {}_7C_2 \\ = \frac{7 \times 6}{2 \times 1}$$

答. 21

$$(2) {}_6C_1 \\ = \frac{6}{1}$$

答. 6

$$(3) {}_{13}C_2 \\ = \frac{13 \times 12}{2 \times 1}$$

答. 78

$$(4) {}_7C_3 \\ = \frac{7 \times 6 \times 5}{3 \times 2 \times 1}$$

答. 35

$$(5) {}_{100}C_2 \\ = \frac{100 \times 99}{2 \times 1}$$

答. 4950

$$(6) {}_7C_7 \\ = \frac{7 \times 6 \times 5 \times 4 \times 3 \times 2 \times 1}{7 \times 6 \times 5 \times 4 \times 3 \times 2 \times 1}$$

答. 1

$$(7) {}_{12}C_3 \\ = \frac{12 \times 11 \times 10}{3 \times 2 \times 1}$$

答. 220

$$(8) {}_{10}C_2 \\ = \frac{10 \times 9}{2 \times 1}$$

答. 45

$$(9) {}_8C_2 \\ = \frac{8 \times 7}{2 \times 1}$$

答. 28

$$(10) {}_8C_3 \\ = \frac{8 \times 7 \times 6}{3 \times 2 \times 1}$$

答. 56