

# Factorials

---

Evaluate the following.

1)  $\frac{(6 - 2)!}{4!}$

\_\_\_\_\_

2)  $6! + (-3 \times 5!)$

\_\_\_\_\_

3)  $9 - 2!$

\_\_\_\_\_

4)  $(3!)!$

\_\_\_\_\_

5)  $\frac{18!}{16!}$

\_\_\_\_\_

6)  $-35 + 0! + 7$

\_\_\_\_\_

7)  $25 - 5! - 1!$

\_\_\_\_\_

8)  $10 \times 3!$

\_\_\_\_\_

9)  $\frac{14!}{13!} \div \frac{7!}{6!}$

\_\_\_\_\_

10)  $4! 2! + 40$

\_\_\_\_\_

11)  $5! + 16$

\_\_\_\_\_

12)  $\frac{22!}{19! 8!}$

\_\_\_\_\_

# Factorials

Answer Key

Evaluate the following.

$$1) \frac{(6 - 2)!}{4!}$$

1

$$2) 6! + (-3 \times 5!)$$

360

$$3) 9 - 2!$$

7

$$4) (3!)!$$

720

$$5) \frac{18!}{16!}$$

306

$$6) -35 + 0! + 7$$

-27

$$7) 25 - 5! - 1!$$

-96

$$8) 10 \times 3!$$

60

$$9) \frac{14!}{13!} \div \frac{7!}{6!}$$

2

$$10) 4! 2! + 40$$

88

$$11) 5! + 16$$

136

$$12) \frac{22!}{19! 8!}$$

$\frac{11}{48}$