Simplify each expression.

22

**4**

23

**8**

24

**16**

21

**2**

102

**100**

(-2)2

**4**

(-10)3

**-1000**

(-1)5

**-1**

$$\left(\frac{2}{3}\right)^{2}$$

$$\frac{4}{9}$$

$$\left(-\frac{4}{5}\right)^{3}$$

$$-\frac{64}{125}$$

$$(-4)∙(-4)∙(-4)∙(-4)$$

**(-4)4**

$$\frac{1}{4}∙\frac{1}{4}∙\frac{1}{4}∙\frac{1}{4}∙\frac{1}{4}$$

$$\left(\frac{1}{4}\right)^{5}$$

$$a∙a∙a∙a$$

**a4**

$$x∙x∙y∙y$$

**x2y2**

$$6∙c∙c∙c∙c∙c$$

**6c5**

$$7∙s∙s∙t∙t∙t$$

**7s2t3**

$$c∙c∙m∙c∙m$$

**c3m2**

$$3∙2∙a∙a∙b$$

**6a2b**

$$5∙4∙a∙a∙a∙a$$

**20a4**

$$4∙y∙y∙y∙2$$

**8y3**

$$2∙b∙5∙b∙b$$

**10b3**

$$3∙a∙a∙4∙a$$

**12a3**

2(3x)

**6x**

5(3a)

**15a**

3x(5y)

**15xy**

(2a)(4b)

**8ab**

$$3^{2}∙3^{4}$$

**36**

$$\left(-5\right)^{6}∙\left(-5\right)^{3}$$

**(-5)9**

$$\left(\frac{1}{2}\right)^{4}∙\left(\frac{1}{2}\right)^{4}$$

$$\left(\frac{1}{2}\right)^{8}$$

$$a^{5}∙a^{7}$$

**a12**

$$d^{9}∙d^{6}$$

**d15**

(c2)(c3)(c4)

**c9**

(x5)(x2)(x6)

**x13**

(y3)(y2)(y4)

**y9**

(p3)(p3)(p5)

**p11**