$p$ Example Set: A

## Solve:

1. What is the sum of 2 and 9 ?
2. What is the difference of 15 and 4 ?
3. What is the product of 3 and 7 ?
4. What is the quotient of 16 and 4 ?
5. What is the sum of $5.8,1.6$ and 2.9 ?
6. What is the difference of 329 and 144 ?
7. What is the product of 9,3 and zero?
8. What is the quotient of 15 and 30 ?

## Example Set: B

## Evaluate the expressions:

1. $17-[3(2)]$
2. $[12-4(1)]+6$
3. $[16 \div(3+1)]-2$
4. $\frac{14}{(10-3) \cdot 2}$
5. $4^{2}+3^{2}+2^{2}+1^{2}$
6. $(9-7)^{2} \cdot(20-17)^{2}$

## Example Set: C

Write the expressions using powers:

1. $2 \cdot 2 \cdot 2$
2. $3 x \cdot 3 x \cdot 3 x \cdot 3 x$
3. $3 \cdot 3 \cdot 3 \cdot 3 \cdot 3$
4. $x z \cdot x z \cdot x z \cdot x z \cdot x z$
5. "two to the tenth power"
6. $(g+h) \cdot(g+h) \cdot(g-h)$
7. $y \cdot y$

Example Set: D

## Evaluate the expressions:

1. $|-3|$
2. $2^{4}$
3. $-3^{2}$
4. $|7|$
5. $(-3)^{2}$
6. $|-9|-|4|$

Number Operations 1.1

## Overview of problems

4. $4^{3}$
5. $5 \cdot 4 \cdot 3 \cdot 2 \cdot 1$
6. $(-5)^{3}$
7. $\frac{0}{10,326}+\frac{11,451}{11,451}$

## Overview of problems

## Example Set: A -ANSWER KEY

## Solve:

1. What is the sum of 2 and $9 ?=11$
2. What is the difference of 15 and 4 ? $=11$
3. What is the product of 3 and 7 ? $=21$
4. What is the quotient of 16 and 4 ? = 4
5. What is the sum of $5.8,1.6$ and $2.9 ?=10.3$
6. What is the difference of 329 and 144 ? $=185$
7. What is the product of 9,3 and zero? $=0$
8. What is the quotient of 15 and 30 ? $=\frac{1}{2}$

## Evaluate the expressions:

1. $17-[3(2)]=11$
2. $[12-4(1)]+6=14$
3. $[16 \div(3+1)]-2=2$
4. $\frac{14}{(10-3) \cdot 2}=1$
5. $4^{2}+3^{2}+2^{2}+1^{2}=30$
6. $(9-7)^{2} \cdot(20-17)^{2}=36$

## Example Set: C-ANSWER KEY

## Write the expressions using powers:

1. $2 \cdot 2 \cdot 2=2^{3}$
2. $3 \cdot 3 \cdot 3 \cdot 3 \cdot 3=3^{5}$
3. "two to the tenth power" $=2^{10}$
4. $y \cdot y=y^{2}$
5. $3 x \cdot 3 x \cdot 3 x \cdot 3 x=(3 x)^{4}$
6. $x z \cdot x z \cdot x z \cdot x z \cdot x z=(x z)^{5}$
7. $(g+h) \cdot(g+h) \cdot(g-h)=(g+h)^{2}(g-h)$

# Number Operations 1.1 

Example Set: D-ANSWER KEY

Evaluate the expressions:

1. $|-3|=3$
2. $2^{4}=16$
3. $-3^{2}=-9$
4. $4^{3}=64$
5. $5 \cdot 4 \cdot 3 \cdot 2 \cdot 1=120$
6. $|7|=7$
7. $(-3)^{2}=9$
8. $|-9|-|4|=5$
9. $(-5)^{3}=-125$
10. $\frac{0}{10,326}+\frac{11,451}{11,451}=1$
