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Introduction

Each book in the *Power Practice*[™] series contains dozens of ready-to-use activity pages to provide students with skill practice. The fun activities can be used to supplement and enhance what you are already teaching in your classroom. Give an activity page to students as independent class work, or send the pages home as homework to reinforce skills taught in class. An answer key is included at the end of each book to provide verification of student responses.

Standards-Based Math 5–6 progresses from basic skills and concepts to the more complex within each section. The structure of the book enhances student learning and enables them to meet the next challenge with confidence. Students will receive reinforcement in skills from the following math strands:

- Number and Operations
- Algebra
- Geometry
- Measurement
- Data Analysis and Probability

Use these ready-to-go activities to "recharge" skill review and give students the power to succeed!

Number Value

NUMBER AND OPERATIONS

Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths
9	3	2	6	4	0	8	1	5	7

Write the number in words.

1 462

2 402

3 460.3

4 82,974

5 50,004.08

6 4,768,312

Write the value of the underlined digit.

7 45,765

8 379,250.008

9 100,923.465

10 46,038.9

Order the numbers from greatest to least.

11 546; 564; 465; 645

12 5,043; 3,087; 4,503; 3,708

13 43.04; 44.03; 34.04; 40.34

14 234.89; 254.45; 234.98; 345.54

Number Notations

NUMBER AND OPERATIONS

Numbers can be expressed in different forms or notations.

standard =	3,254
expanded notation =	$3,000 + 200 + 50 + 4$
scientific notation =	$(3 \times 10^3) + (2 \times 10^2) + (5 \times 10) + 4$

Write each number in expanded and scientific notation.

1 365 _____

2 9,787 _____

3 3,700 _____

4 42,899 _____

5 5,050,555 _____

Find each error. Rewrite the expanded or scientific notation correctly.

6 $291 = 200 + 9 + 1$ _____

7 $5,798 = (5 \times 10^4) + (7 \times 10^3) + (9 \times 10^2) + (8 \times 10^0)$ _____

8 $7,080 = (7 \times 10^4) + (8 \times 10^2) + 8$ _____

9 $43,256 = 40,00 + 3,000 + 200 + 50 + 6$ _____

10 $33,024 = 30,000 + 3,000 + 200 + 40$ _____

Inverse Operations

NUMBER AND OPERATIONS

Inverse operations are useful for checking your accuracy.

$$\begin{array}{r} 67 \\ + 54 \\ \hline 121 \end{array} \quad \begin{array}{r} 121 \\ - 67 \\ \hline 54 \end{array} \quad \begin{array}{r} 121 \\ - 54 \\ \hline 67 \end{array} \quad \begin{array}{r} 45 \\ - 27 \\ \hline 18 \end{array} \quad \begin{array}{r} 27 \\ + 18 \\ \hline 45 \end{array}$$

Add or subtract. Then use the inverse operation to check your work.

$$\textcircled{1} \quad \begin{array}{r} 245 \\ + 563 \\ \hline \end{array}$$

$$\textcircled{2} \quad \begin{array}{r} 3,692 \\ + 897 \\ \hline \end{array}$$

$$\textcircled{3} \quad \begin{array}{r} 785 \\ - 598 \\ \hline \end{array}$$

$$\textcircled{4} \quad \begin{array}{r} 98,534 \\ + 43,877 \\ \hline \end{array}$$

$$\textcircled{5} \quad \begin{array}{r} 23,322 \\ + 65,533 \\ \hline \end{array}$$

$$\textcircled{6} \quad \begin{array}{r} 3,744 \\ - 1,976 \\ \hline \end{array}$$

$$\textcircled{7} \quad \begin{array}{r} 59,043 \\ + 23,967 \\ \hline \end{array}$$

$$\textcircled{8} \quad \begin{array}{r} 54,255 \\ - 32,738 \\ \hline \end{array}$$

$$\textcircled{9} \quad \begin{array}{r} 567,411 \\ - 269,577 \\ \hline \end{array}$$

$$\textcircled{10} \quad \begin{array}{r} 24,803 \\ + 86,129 \\ \hline \end{array}$$

$$\textcircled{11} \quad \begin{array}{r} 46,003 \\ - 10,895 \\ \hline \end{array}$$

$$\textcircled{12} \quad \begin{array}{r} 12,879 \\ + 98,324 \\ \hline \end{array}$$

Riddle

NUMBER AND OPERATIONS

Solve.

$$\begin{array}{r} \textcircled{1} \quad 3,222 \\ \quad 6,060 \\ + 7,679 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{2} \quad 3,692 \\ \quad \quad 491 \\ + \quad 897 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{3} \quad 8,291 \\ - 8,138 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{4} \quad 41,258 \\ \quad 49,108 \\ + 45,867 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{5} \quad 29,382 \\ \quad \quad 7,239 \\ + 48,470 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{6} \quad 34,754 \\ - 17,796 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{7} \quad 51,238 \\ \quad 71,995 \\ + 23,967 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{8} \quad 54,983 \\ - 32,794 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{9} \quad 587,056 \\ - 299,439 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{10} \quad 44,853 \\ \quad 56,599 \\ + 28,426 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{11} \quad 50,084 \\ - 29,695 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{12} \quad 72,279 \\ \quad 53,062 \\ + 38,354 \\ \hline \end{array}$$

Match the answers to letters from the code. Decode the message.

153 = E
16,961 = T
85,091 = E
163,695 = S

5,080 = H
20,389 = A
129,878 = G
287,617 = R

16,958 = T
22,189 = E
147,200 = T
136,233 = L

What always ends everything?

_____!
1 2 3 4 5 6 7 8 9 10

Comparing Integers

NUMBER AND OPERATIONS

Positive integers represent an increase of value. Integers are used most often to note a change in measurement such as an increase in weight, volume, or money.

Negative integers represent a decrease of value. A loss of weight, volume, or money might be noted with a negative integer.

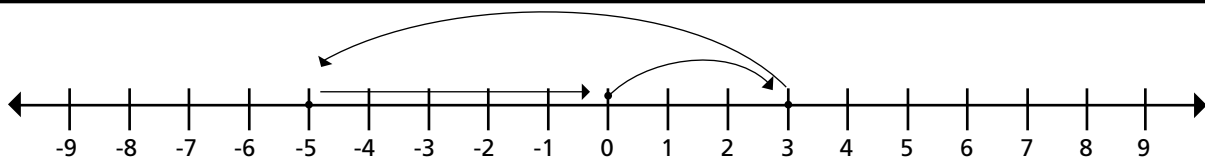
Circle the greatest value. Underline the least value.

① 7, 3, -8, -9, 2

② -5, 6, 12, -12, 4, 0

③ -4, -8, -5, -6, 0, -3

④ -2, -9, -5, -3, -13



Hattie is recording the movements of a mouse across a grid. She notes that from the center, it runs 3" to the right, 8" to the left, and then returns to center.

$$3" + -8" + 5" = 0$$

Write an equation and solve.

- ⑤ Cara monitors a snail in her aquarium. She notes that this morning it crawled 1" up the glass. A few hours later it crawled another 2" up the glass. Later, it crawled 4" down the glass. How far is the snail from where it started?
- ⑥ Henry starts the day with \$30. He and his sister go to the fair. He pays for his own admission of \$10, but he fails to notice that \$15 falls out of his wallet while he is paying. His sister lends him \$10 so that he can still enjoy the fair. Write the equation that illustrates his day's financial events.
- ⑦ Karen opens a credit account to purchase a new bed. She makes a down payment of \$200 on a \$1,000 bed. How much does she still owe the store?

Subtracting Integers

NUMBER AND OPERATIONS

Subtract an integer by adding its opposite.

$$-8 - 5 =$$

$$-8 + (-5) = -13$$

The negative of a negative is a positive.

$$-(a) = a$$

$$-7 - (-3) =$$

$$-7 + 3 = -4$$

Rewrite each as an addition problem. Solve.

$$\textcircled{1} -72 - 70 = -72 + \underline{\quad} = \underline{\quad}$$

$$\textcircled{2} 52 - (-46) =$$

$$\textcircled{3} 90 - 49 =$$

$$\textcircled{4} 7 - (-95) =$$

$$\textcircled{5} -55 - (-59) =$$

$$\textcircled{6} -47 - 20 =$$

Solve.

$$\textcircled{7} 57 + (-70) =$$

$$\textcircled{8} -32 - (-88) =$$

$$\textcircled{9} -84 + (-61) =$$

$$\textcircled{10} -18 - 39 =$$

$$\textcircled{11} 21 + (-24) =$$

$$\textcircled{12} 79 - 55 =$$

$$\textcircled{13} 97 + (-99) =$$

$$\textcircled{14} 68 - (-73) =$$

$$\textcircled{15} -92 + 43 =$$

$$\textcircled{16} 49 + (-19) =$$

Multiplying Integers

NUMBER AND OPERATIONS

The **product** of a positive integer and a negative integer is a negative integer.

$$(a)(b) = (-c)$$

The **product** of two negative integers OR two positive integers is a positive integer.

$$(a)(b) = (c) \quad (-a)(-b) = (c)$$

Solve.

1

Integers	=
$(7)(-3)$	
$(-7)(3)$	
$(-7)(-3)$	
$(7)(3)$	

2

Integers	=
$(6)(-5)$	
$(-6)(5)$	
$(-6)(-5)$	
$(6)(5)$	

3

Integers	=
$(3)(-9)$	
$(-3)(9)$	
$(-3)(-9)$	
$(3)(9)$	

4

Integers	=
$(3)(-6)$	
$(-8)(9)$	
$(-5)(-7)$	
$(4)(3)$	

5

Integers	=
$(-7)(-2)$	
$(-8)(4)$	
$(3)(-8)$	
$(4)(9)$	

6

Integers	=
$(5)(8)$	
$(-8)(7)$	
$(-6)(-9)$	
$(5)(-3)$	

7

Integers	=
$(-5)(-8)(-2)$	
$(-2)(-6)(8)$	
$(3)(-7)(-4)$	
$(-3)(6)(-4)$	

8

Integers	=
$(2)(7)(-6)$	
$(-4)(5)(9)$	
$(-4)(-2)(-9)$	
$(-3)(-2)(6)$	

9

Integers	=
$(-3)(7)(7)$	
$(-5)(-4)(-5)$	
$(5)(-4)(-4)$	
$(-4)(7)(-9)$	

Dividing Integers

NUMBER AND OPERATIONS

The **quotient** of a positive integer and a negative integer is a negative integer.

$$a \div -b = -c$$

The **quotient** of two negative integers OR two positive integers is a positive integer.

$$a \div b = c \quad -a \div -b = c$$

Solve.

1

Integers	=
$21 \div -3$	
$-21 \div 3$	
$-21 \div -3$	
$21 \div 3$	

2

Integers	=
$24 \div -12$	
$-24 \div 12$	
$-24 \div -12$	
$24 \div 12$	

3

Integers	=
$36 \div -3$	
$-36 \div 3$	
$-36 \div -3$	
$36 \div 3$	

4

Integers	=
$56 \div -7$	
$-35 \div -7$	
$-21 \div 7$	
$63 \div 7$	

5

Integers	=
$36 \div -9$	
$-54 \div -9$	
$-72 \div -9$	
$99 \div -9$	

6

Integers	=
$36 \div 12$	
$-60 \div 12$	
$84 \div -12$	
$144 \div -12$	

7

Integers	=
$400 \div -80$	
$-52 \div -4$	
$84 \div 6$	
$-108 \div 3$	

8

Integers	=
$-80 \div -5$	
$175 \div 7$	
$-120 \div 8$	
$147 \div -7$	

9

Integers	=
$-124 \div -4$	
$-120 \div 24$	
$252 \div 6$	
$204 \div -4$	

Multiplying and Dividing Integers

NUMBER AND OPERATIONS

When both integers are positive or both are negative, the product or quotient is positive. When one integer is positive and the other is negative, the product or quotient is negative.

$$\begin{aligned} (a)(-b) &= (-c) \\ (a)(b) &= (c) \quad (-a)(-b) = (c) \\ a \div -b &= -c \\ a \div b &= c \quad -a \div -b = c \end{aligned}$$

Solve.

1

Integers	=
$(14)(-12)$	
$-182 \div 14$	
$(-120)(5)$	
$110 \div 5$	

2

Integers	=
$(-6)(-86)$	
$-266 \div 7$	
$(12)(-15)$	
$140 \div 5$	

3

Integers	=
$(-7)(-53)$	
$(12)(16)$	
$-196 \div -14$	
$132 \div 22$	

4

Integers	=
$120 \div -5$	
$(-8)(-27)$	
$-376 \div 8$	
$(-19)(12)$	

5

Integers	=
$(-12)(17)$	
$-160 \div -8$	
$-414 \div -9$	
$(3)(-84)$	

6

Integers	=
$(-9)(44)$	
$-224 \div 16$	
$(7)(-29)$	
$192 \div -6$	

7

Integers	=
$105 \div -7$	
$(35)(7)$	
$(-7)(7)(-7)$	
$-312 \div 12$	

8

Integers	=
$-252 \div -14$	
$(-8)(-5)(-3)$	
$(15)(-2)(-4)$	
$600 \div -8$	

9

Integers	=
$-224 \div -32$	
$(12)(-7)(-3)$	
$144 \div 9$	
$(16)(-4)(4)$	