Helping With Math

Subtraction of Integers with Like Signs

Suitable for students **aged 9-11**

Negative Numbers   Positive Numbers

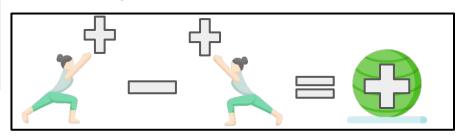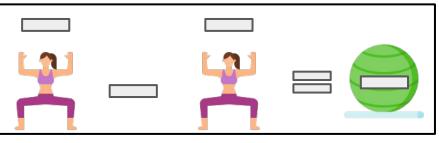-4   -3   -2   -1   0   1   2   3   4

This pack is suitable for learners aged 9-11 years old or 5th to 6th graders (USA). The content covers fact files and relevant basic and advanced activities involving subtraction of integers with like signs.

- **Positive** numbers are numbers above or more than zero.
- Positive numbers are written with a "+" sign in front of them or no sign.
- These numbers are counted up from zero to the right on a number line.

When getting the result of the integers with like signs, simply perform the subtraction operation.

CONCEPTS

It is a whole number that can be positive, negative, or zero. Since it is whole numbers, integers cannot have decimal places.

INTEGERS

SUBTRACTION WITH LIKE SIGNS

To subtract integers with similar signs, simply subtract or compute for the difference of the given. Do not forget to include the sign used.

Subtraction with like signs may involve both positive (+) signs or negative (-) signs

Note: If a number does not have a + sign, it is automatically a positive integer.

$$^+125 - ^+58$$
$$= ^+67$$

$$495 - 384$$
$$= 111$$

$$^-374 - ^-99$$
$$= ^-275$$

EXAMPLES

$$-693 - (-473)$$
$$= -220$$

$$-584 - (-95)$$
$$= -489$$

EXERCISE

1. 439 - 283 =
2. 255 - 88 =
3. 107 - 21 - 9 =

4. -586 - (-475) =
5. -1,234 - (-386) - (-101) =

Solution:

Word problem

What is the difference when 640 and - 340 are subtracted?
Show your solution and explain your work.

TABLE OF ACTIVITIES

Ages 9-10 (Basic)		5th Grade
1	1,2,3,Up!	
2	The Perfect Yoga Mat	
3	Pose and Answer	
4	Maintaining the Balance	
5	Yoga Days	
Ages 10-11 (Advanced)		6th Grade
6	Stretch and Solve	
7	Marie, My Yoga Classmate	
8	Follow the Yoga Master	
9	The Yoga Journey	
10	Meditation Time	

1,2,3,UP!

Help Andy finish her push ups and sit-ups by finding the difference of the following positive integers.

1. 726 - 618 =

2. 646 - 102 =

3. 765 - 225 =

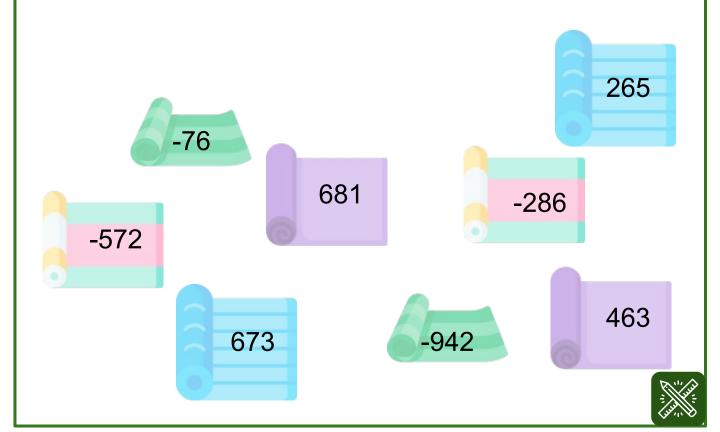4. 972 - 540 =

5. 252 - 235 =

6. 716 - 704 =

THE PERFECT YOGA MAT

Look and find the similar yoga mats below then answer the questions. Show your solution.

1. Find the difference of the colorful yoga mats.

2. Find the difference of the blue yoga mats.

3. Find the difference of the purple yoga mats.

4. Find the difference of the green yoga mats.

265

-76

681

-286

-572

673

-942

463

Eliminate the negativity by posing and computing for the difference of the negative integers.

1. -568 - (-474) =

2. -659 - (-127) =

3. -728 - (-178) =

4. -458 - (-417) =

5. -884 - (-568) =

6. -821 - (-258) =

MAINTAINING THE BALANCE

Maintain your shape and balance by finding and fulfilling the missing integer of the subtraction equation.

1. -419 - _____ = -255

2. 225 - 66 = _____

3. _____ - (-540) = -306

4. 291 - _____ = 255

5. _____ - (-734) = -142

Additional question:

1. What is the significance of understanding subtraction of like sign integers?

YOGA DAYS

Fill in your yoga schedule by finding the difference of the integers in the 1st row with the integers in the 1st column and fill them in the squares provided.

-	626	866
99		
160		

-	773	959
47		
596		

-	-194	-716
-75		
-153		

-	-892	-812
-350		
-299		

STRETCH AND SOLVE

Stretch your body within 3 minutes just like stretching your ability to solve the subtraction flashcards quickly.

$$
\begin{array}{r}
7,509 \\
5,186 \\
-\quad 232 \\
\hline
\end{array}
$$

$$
\begin{array}{r}
3,886 \\
2,620 \\
-\quad 266 \\
\hline
\end{array}
$$

$$
\begin{array}{r}
8,347 \\
685 \\
-\quad 266 \\
\hline
\end{array}
$$

$$
\begin{array}{r}
-8,121 \\
(-1,123) \\
-\quad (-699) \\
\hline
\end{array}
$$

$$
\begin{array}{r}
-9,556 \\
(-8,310) \\
-\quad (-124) \\
\hline
\end{array}
$$

$$
\begin{array}{r}
-4,112 \\
(-626) \\
-\quad (-486) \\
\hline
\end{array}
$$

What does Marie's favorite yoga pose? Identify the word by performing the indicated operations.

A= 6, 121 - 5, 740 =

D= 9, 970 - 8, 705 =

E= 5, 358 - 4, 351 =

H= 3, 188 - 1, 517 =

L= 9, 108 - 3, 672 =

N= 1, 995 - 296 =

O= 3, 626 - 3, 611=

R= 835 - 430 =

S= 9, 471 - 2, 865 =

T= 9, 085 - 8, 478 =

U= 7, 796 - 4, 237 =

6, 606	1, 671	15	3, 559	5, 436	1, 265	1, 007	405

6, 606	607	381	1, 699	1, 265

FOLLOW THE YOGA MASTER

Follow what the yoga instructor is saying to properly make and execute your yoga exercise. Answer the word problems below. Show your solution.

1. In doing a yoga session, assume that in every forward step that you make means a positive integer while every backward step is a negative integer. If you took 650 steps forward and 376 steps backward, what would be the difference of the steps that you made?

2. Assume that a backstroke represents negative integers, what would be the difference if you subtract -900 and -352?

3. With similar situation in item no. 1, what if you did - 692 backward steps and subtract - 498 from it?

THE YOGA JOURNEY

Help Maya follow the plan in order to make the workout right. Solve the following subtraction sentences then write your answer on the crossword puzzle above. The numbers before the given will serve as your guide.

Horizontal

1. 7, 615 - 3, 339 =

4. -9, 063 - (-3, 066) =

Vertical

2. 3, 493 - 1, 310 =

3. -9, 700 - (-134) =

5. 7, 506 - 6, 787 =

MEDITATION TIME

It is now time to meditate from all the activities you made. Simply answer the questions below.

1. Give four life examples or applications related to the theme where this lesson can be applied.

2. Why is it important to learn subtraction of integers with like signs? What good thing can it cause you?

3. Did you enjoy this lesson? Share your enjoyable moment/s while learning this lesson.

ANSWER GUIDE

Activity 1

1. 108   5. 17
2. 544   6. 12
3. 540
4. 432

Activity 2

1. -286
2. 408
3. 218
4. -866

Activity 3

1. -94   5. -316
2. -532   6. -563
3. -550
4. -41

Activity 4

1. -164   5. -876
2. 159
3. -846
4. 36

Activity 5

1. 527, 767
   466, 706
2. 726, 912
   177, 363
3. -119, -641
   -41, -563
4. -542, -462
   -593, -513

Activity 6

1. 2,091   5. -1,122
2. 1,000   6. -3,000
3. 6,896
4. -6,299

ANSWER GUIDE

Activity 7

A= 381   O= 15
D= 1,265   R= 405
E= 1,007   S= 6,606
H= 1,671   T= 607
L=5,436   U= 3,559
N= 1,699   Word: SHOULDER STAND

Activity 8

1. 274
2. -1252
3. -1190

Activity 9

1.   4,276   5.   719
2.   2,183
3.   -9,566
4.   -5,997

Activity 10

Answers may vary

Thank you

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