

August 27, 2014 ^{1st}
_{2nd}

Beaded Necklace

Starter



25 ¢ bead



10 ¢ bead



5 ¢ bead

Design a necklace using only the 3 beads shown that fits the following conditions:

- It must cost exactly \$3.00.
- It must have a repeating pattern.
- It must begin and end with pink.
- It must have mostly purple beads.
- It must use all 3 types of beads.

8/27 Integers and Absolute Value - Day 2

How are **speed** and **velocity** related?
(how fast) (speed with direction)

Speed tells how fast an object is moving,
but does not tell the direction

Velocity tells how fast an object is moving
and also tells the direction.

With your partner, complete this table:

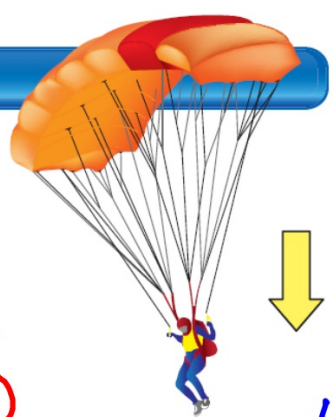
	positive	negative
Speed	moving	X
Velocity	airplane take off	airplane landing

Answer the following questions, working with your partner.

1 EXAMPLE: Falling Parachute

You are gliding to the ground wearing a parachute. The table shows your height at different times.

Time (seconds)	0	1	2	3
Height (feet)	45	30	15	0



- a. How many feet do you move each second?
- b. What is your speed? Give the units.
- c. Is your velocity positive or negative?
- d. What is your velocity? Give the units.

15 feet per second
negative ft/sec fps
-15 ft/sec

2

ACTIVITY: Rising Balloons

Work with a partner. The table shows the height of a group of balloons.

Time (seconds)	0	1	2	3
Height (feet)	0	4	8	12



- How many feet do the balloons move each second?
- What is the speed of the balloons? Give the units.
- Is the velocity positive or negative?
- What is the velocity? Give the units.

4 ft

4 ft/sec

positive

4 ft/sec

3**ACTIVITY: Finding Speed and Velocity**

Work with a partner. The table shows the height of a firework's parachute.

Time (seconds)	Height (feet)
0	480
1	360
2	240
3	120
4	0



- How many feet does the parachute move each second?
- What is the speed of the parachute? Give the units.
- Is the velocity positive or negative?
- What is the velocity? Give the units.

120 ft

120 ft/sec

negative

-120 ft/sec

Homework

Green WS 1.1 #2-9 all

Due Today