

Ox Expressions - Supplemental Worksheet
OVERLAND TRAILS After DAY 9

Use the lists of Variables on pages 218 and 219 for this worksheet.
Write a **summary phrase or sentence** describing the following algebraic expressions.

1. FC _____

2. FW _____

3. $(M + W + C)F$ _____

4. HD _____

5. AY _____

6. AYHD _____

7. $(M + W + C)B$ _____

Write an **algebraic expression** for each of the following summary phrases.

8. The amount of grass eaten by one wagon's oxen in one day. _____
9. The total number of people on one wagon train. _____
10. The total number of children on all the wagon trains in one year. _____
11. The amount of water consumed by one person and one oxen on the entire trip.

Ox Expressions - Quiz
OVERLAND TRAILS after DAY 9

Use the lists of Variables on page 218.

I. Write a **Summary Phrase** to match the following algebraic expressions.

1. $F(W + C)T$ _____

2. HAY _____

3. $(H + B)D$ _____

4. $PAY + L$ _____

II. Write an **Algebraic expression** to match the following summary phrases.

5. The number of men on one wagon train. _____

6. The amount of water consumed by one family in
one day. _____

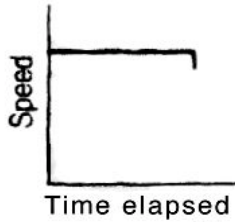
7. The amount of grass consumed by the oxen of
one wagon for the entire trip. _____

IDENTIFYING QUALITATIVE GRAPHS

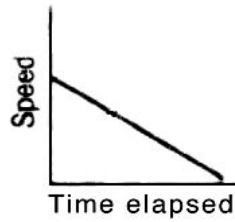
Indicate which graph matches the statement

1. A train pulls into a station and lets off its passengers

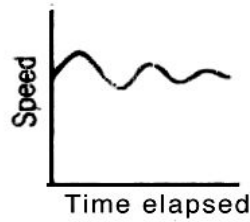
a)



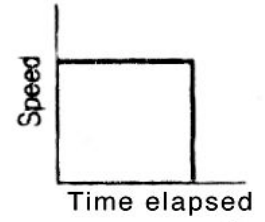
b)



c)

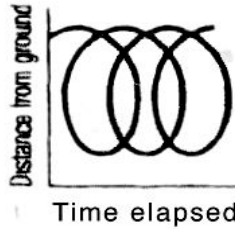


d)

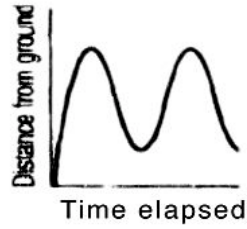


2. A man takes a ride on a ferris wheel

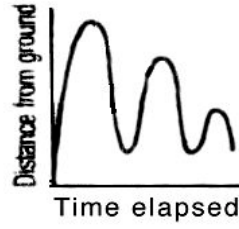
a)



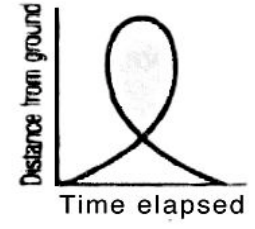
b)



c)

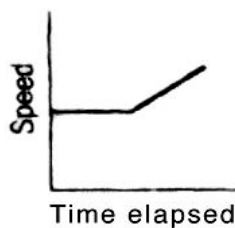


d)

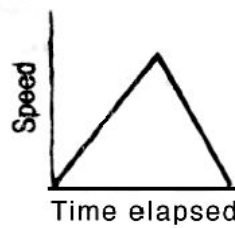


3. A woman climbs a hill at a steady pace and then starts to run down one side

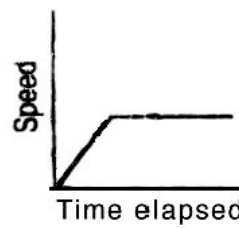
a)



b)



c)

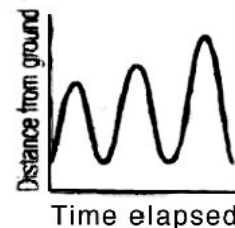


d)



4. A child swings on a swing

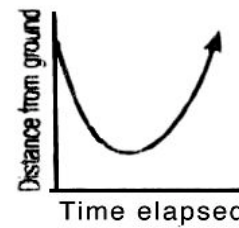
a)



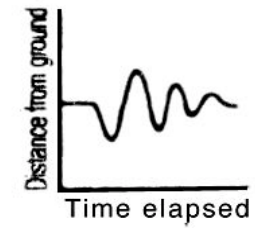
b)



c)



d)

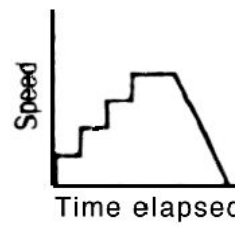


5. A child climbs up a slide and then slides down

a)



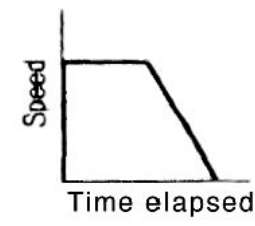
b)



c)



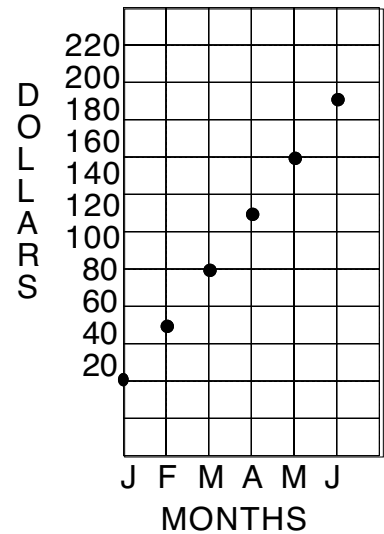
d)



Graphs - Slopes - Situations (OVERLAND TRAIL After Day 13)

1. The graph below represents the money in Dave's savings account beginning January 1998.

- How much money did he have at the beginning of Jan?
- How much money did he have at the beginning of Feb?
- How much money did he have at the beginning of April?
- Is Dave saving money at a constant rate?
- Give an equation that would represent this graph.
- What is the slope of this line?



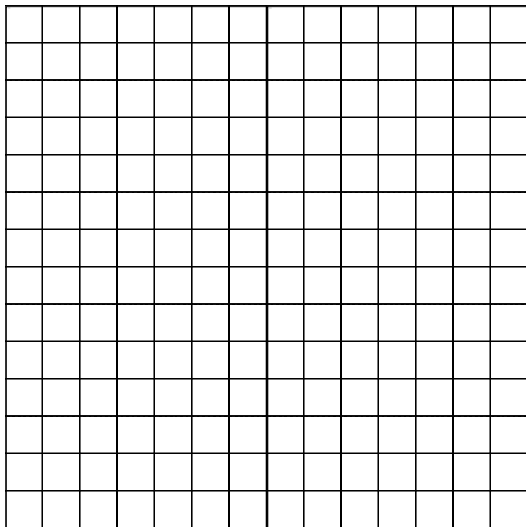
2. The IMP class at Philly High is selling T-shirts. They ordered 300 shirts and sell approximately 25 each week.

- Draw a graph that represents this situation.
- Give an equation that represents this situation.
- What is the slope of the line on the graph?

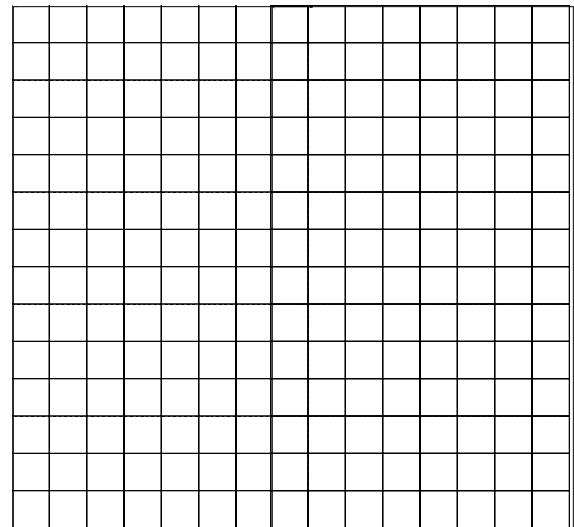
3. Rob is an office manager in charge of ordering supplies. Two weeks after ordering 600 pencils, he noticed that there were 520 pencils left. After 5 weeks there were 400 pencils left.

- Draw a graph representing this information.
- How many pencils are being used each week?
- Give an equation that represents this situation.
- What is the slope of the line on the graph?
- When should Rob order more pencils?

GRAPH FOR #2



GRAPH FOR #3

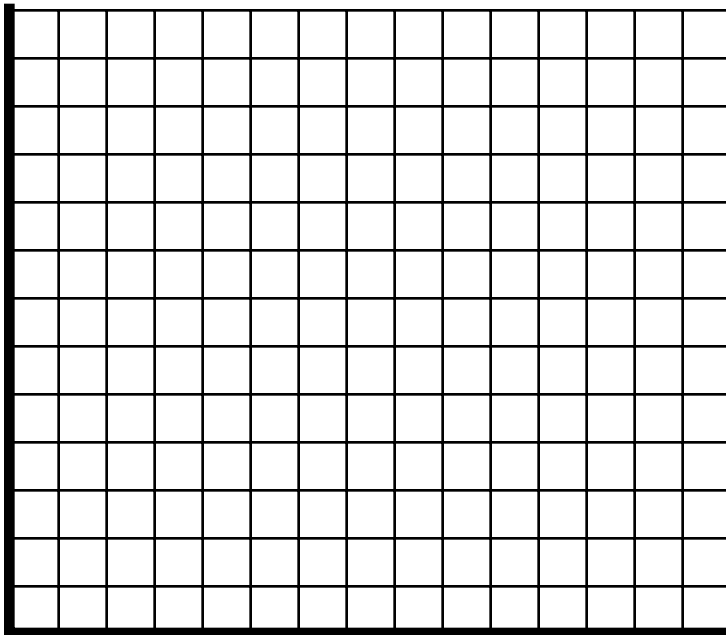


OVERLAND TRAIL QUIZ 1

They Blew It!

1. Make a graph for the number of pieces of bubble gum needed in a marking period. Use appropriate labels and numbers. **PLAN AHEAD!!**
2. Draw the line of best fit.
3. Indicate the number of pieces of bubble gum needed for 17 students.

# of Students	# of Pieces
5	575
8	850
11	1100
9	875
4	500
7	750
11	1025
6	625



You will need ? pieces of bubble gum for 17 students.

Find the equation of the line of best fit.
