Independent and Dependent Variables

Warm-Up

Classwork:
Halloween Activity
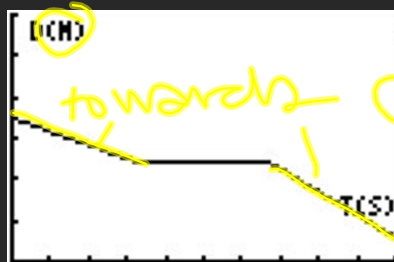
Notes:
Identifying Independent and Dependent Variables

Gallery Walk

Warm-Up

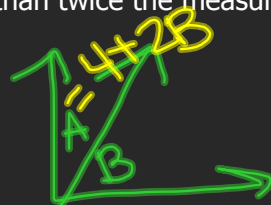1. Choose the answer that best represents the graph below.

A. Krizia started about 4 meters away from the CBR. She walked away slowly for 3 seconds, then stopped and stood still for 4 seconds. She then walked towards the CBR at the same pace.

B. Elsy started about 4 meters away from the CBR. She walked towards the CBR slowly for 3 seconds, then stopped and stood still for 4 seconds. She then walked towards the CBR at the same pace.

C. Eduardo started about 4 feet away from the CBR, stood still for 3 seconds, walked away from the CBR for 4 seconds, then stood still until the end.

D. Jonathan started about 4 meters away from the CBR. He walked towards the CBR slowly for 3 seconds, then stopped and stood still for 4 seconds. Then he walked away from the CR at the same pace.

2. If <A and <B are complementary and the measure of <A is 4 more than twice the measure of <B, what is the measure of <A?

$$4 + 2B + B = 90$$
$$3B + 4 = 90$$
$$-4 \quad -4$$
$$\frac{3B}{3} = \frac{86}{3}$$
$$B = 28.6°$$

$$90 - 28.6$$
$$\boxed{61.4°}$$

On page 33 & 34, set up unit 3 in your notebook.
Put your "3" tab on page 33 (fold along the dotted line)

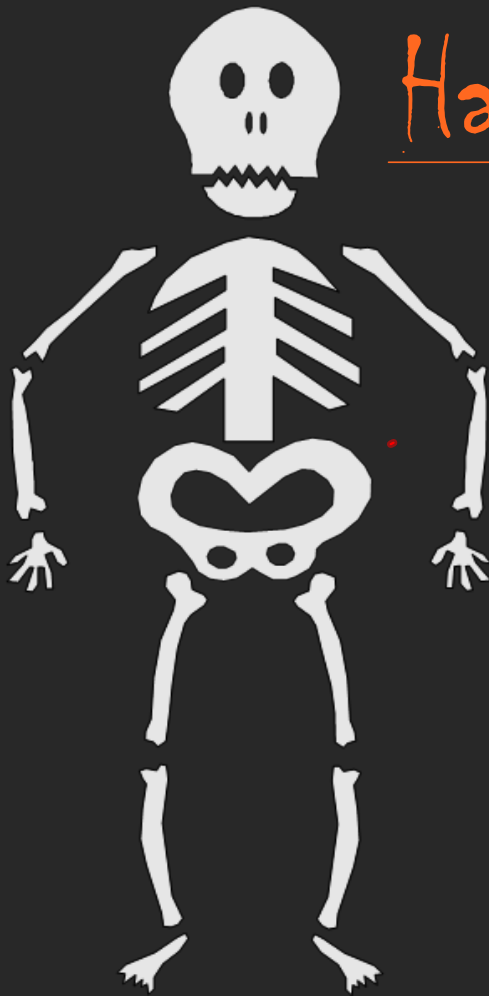**UNIT 3**

TITLE:

Introduction to Linear Functions

33 34

Page #	Page Title
34	Words Worth Knowing
35	Identifying Independent and Dependent

Unit 3 Words Worth Knowing

Unit 3: Intro to Linear Functions

- ☐ Function
- ☐ Independent
- ☐ Dependent
- ☐ Input
- ☐ Output
- ☐ Function Notation
- ☐ Relation
- ☐ Table
- ☐ Mapping
- ☐ Graph
- ☐ Vertical Line Test
- ☐ Rate of Change
- ☐ Slope
- ☐ HOY VUX
- ☐ Pretty Points
- ☐ Slope Formula
- ☐ X-intercept
- ☐ Y-intercept
- ☐ Solution
- ☐ Slope-Intercept Form
- ☐ Translation
- ☐ Linear Inequality
- ☐ Solution Set

Halloween Fundraiser

The school's drill team has decided to host a fundraiser in October to raise enough money to put on a Haunted House for the local children's hospital.

They plan to sell ghost pops and tombstone cookies during each lunch the week of Halloween.

What factors might affect the success of this money-making project?

Halloween Fundraiser

cookies
*unique names
FACTORS: – no $$
nasty cookies
burnt
supply(cost)
Profit
flavorless
funky
scary
price
advertisement

WHAT IS A FUNCTION?

The American Heritage Dictionary
of the English Language defines **function** as
something closely related to another thing
and dependent upon it for its existence,
value, or significance.

"states how 2 things are related"

Example of Function:
How fast I wake up in the morning depends
on how much sleep I get the night before.

**In teams of 3, you will have 5 minutes
to come up with 5 examples of
dependent relationships.**

How fast I wake up in the morning depends on how much sleep I get the night before.

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2 BEST

You will write your ~~5~~ dependent relationships on a large sheet of paper and then hang them up around the classroom.

You will now have 5 minutes to walk around the room and investigate the relationships that other teams found!

QUESTIONS:
1. Does the relationship make sense?
2. Have they correctly identified the independent and dependent variables?

0,0:0,5 0,0

TEST AVERAGES

2ND – 73

3RD – 63

4TH – 62

5TH – 65

7TH – 60

TEST CORRECTION OPPORTUNITIES

THIS WEEK ONLY

AM – 8:15 – 9 AM

PM – 4:15 – 5PM

MON	TUES	WED	THURS	FRI
NONE	PM	AM	AM PM	AM

TEKS CHECK TEST (BENCHMARK FROM DISTRICT) TUESDAY 10/29