

WRMS

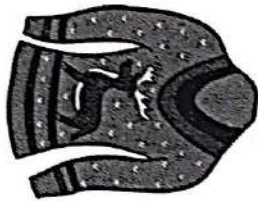


7th Grade AMI Packet DAY FOURTEEN

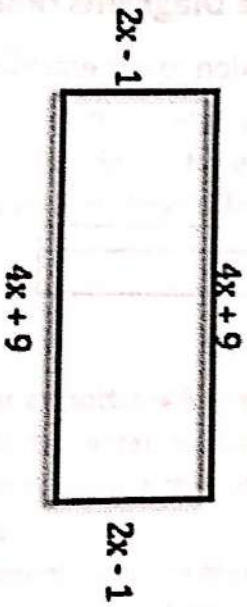
Name _____

1.) Zoe bought a sweater at the sale price of \$25. The original cost of the sweater was \$40. What percent represents the discount that Zoe received when buying the sweater?

- a. 15% discount
- b. 37.5% discount
- c. 60% discount
- d. 62.5% discount



3.) The rectangle below has a perimeter of $100ln$. What is the value of x ?



- a. $x = 8$
- b. $x = 10$
- c. $x = 7$
- d. $x = 5$

2.) The table below shows the heights of the basketball players at Inman Middle School. What is the *mean absolute deviation* of the players' heights?

Heights of Basketball Players

Name	Height (cm)
Ann	130
Hank	162
Fiona	140
Steve	178
Travis	130
Lexi	142

- a. 147 cm
- b. $15\sqrt{3}$ cm
- c. 18.9 cm
- d. 8.25 cm

4.) The perimeter of a rectangle is 60cm. The length of the rectangle is 16 cm. Which equation and solution would be used to calculate the width of the rectangle?

- a. $2w + 32 = 60; w = 14$
- b. $32w + 16 = 60; w = 1.375$
- c. $32 - 2w = 60; w = 24$
- d. $2w + 16 = 60; w = 22$

Day 14

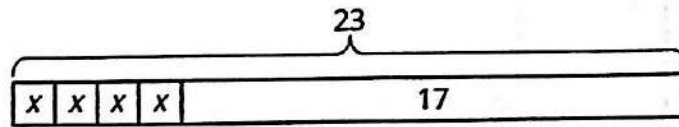
NAME

DATE

PERIOD

Unit 6, Lesson 4: Reasoning about Equations and Tape Diagrams (Part 1)

Here is a diagram and its corresponding equation. Find the solution to the equation and explain your reasoning.



$$4x + 17 = 23$$

Day 14

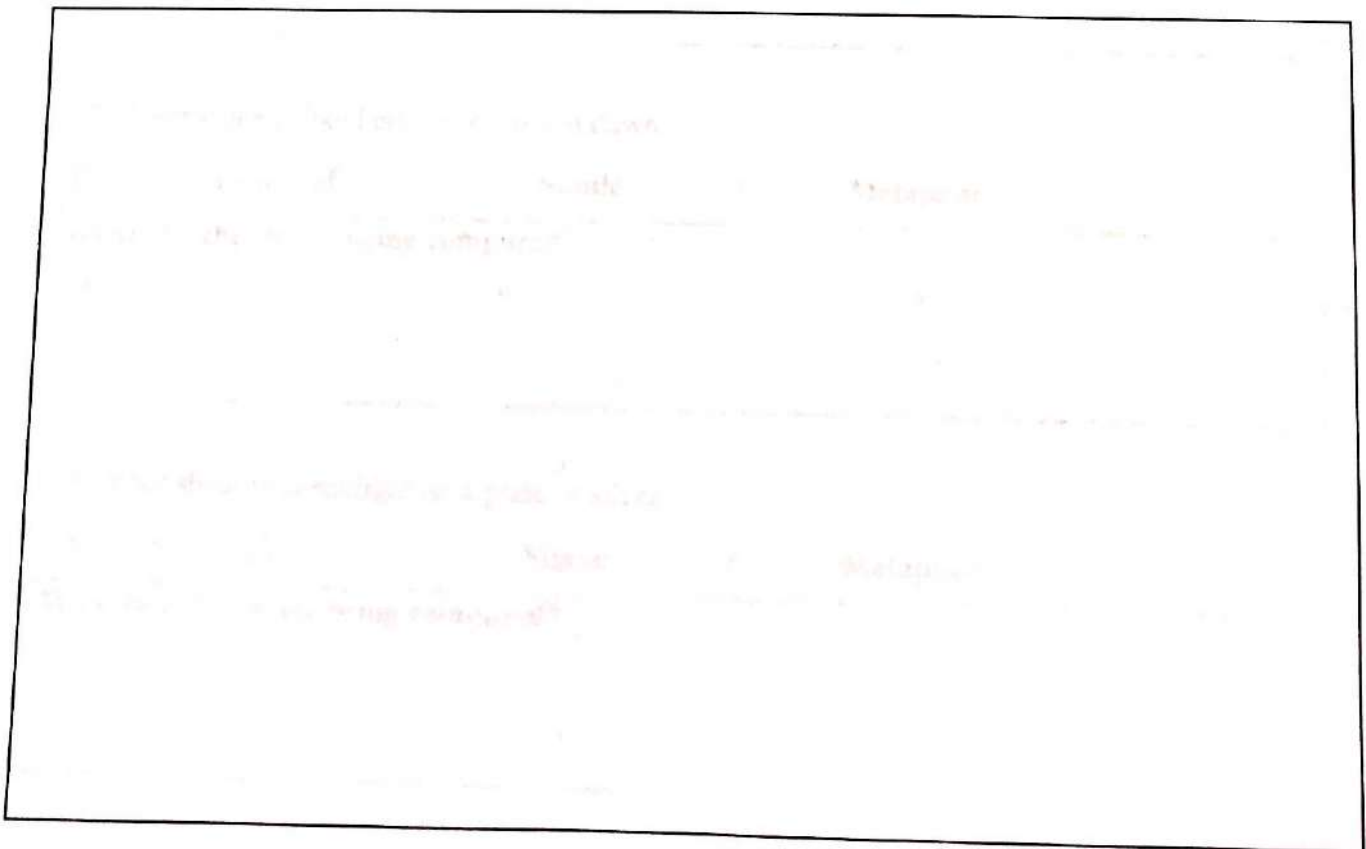
CREATE A STORM LAB

MATERIALS NEEDED:

Jar or plastic bottle, water, something used to stir (spoon, pencil, pen, etc), food coloring. If you do not have food coloring, please do not go out and purchase! You can make this without food coloring!

PROCEDURES:

1. Fill your jar or bottle $\frac{3}{4}$ full of water.
2. Quickly stir the water in a circular motion in the jar. You should stir as quickly as possible, making sure that the jar or bottle does not tip over and spilling as little water as possible.
3. Look for funnel shape to appear in the middle of the water. When you see it, continue to stir quickly for about 10 more seconds.
4. As soon as the spoon is removed, drop 3 drops of food coloring into the funnel shape. **DO NOT STIR AGAIN.**
5. You should see the path of the food coloring from top to bottom.
6. Draw a picture of what you witnessed during the lab in the box provided.
7. Clean up your mess, and you're finished!



Choose if the example is a simile or metaphor.
Identify the 2 things being compared.

ELA7
14

11. The town was set along the coast like a little pearl in an emerald band.

This is an example of... **Simile** / **Metaphor**

What two things are being compared?

12. The strong men live on, fighting, singing, lucky as plungers.

This is an example of... **Simile** / **Metaphor**

What two things are being compared?

13. The gnashes of northern winds are the best Norwegian wines to him.

This is an example of... **Simile** / **Metaphor**

What two things are being compared?

14. Your voice is like bells over roofs at dawn.

This is an example of... **Simile** / **Metaphor**

What two things are being compared?

15. Your shadow is sunlight on a plate of silver.

This is an example of... **Simile** / **Metaphor**

What two things are being compared?

16. She smiled her sugary smile.

This is an example of... **Simile** / **Metaphor**

What two things are being compared?

17. Here and there over the grass stood beautiful flowers like stars.

This is an example of... **Simile** / **Metaphor**

What two things are being compared?

18. One large opal hung like a milky, rainbow moon.

This is an example of... **Simile** / **Metaphor**

What two things are being compared?

19. The cup of my heart is still, and cold, and empty.

This is an example of... **Simile** / **Metaphor**

What two things are being compared?

20. Her kisses are sharp buds of fire.

This is an example of... **Simile** / **Metaphor**

What two things are being compared?

SECTION 2 GOVERNMENT & ECONOMICS
GeoActivity

Use with Southwest Asia & North Africa Today, Section 2.1, in your textbook.
 Go to interactive Whiteboard GeoActivities at myNcconnect.com to complete this activity online.



2.1 COMPARING GOVERNMENTS

Diagram Government Structure

In a constitutional monarchy, the monarch's powers are limited by a constitution. Some powers are given to an assembly and to the people, but the limits on royal power differ greatly from country to country. Monarchs in European countries, such as Sweden, do not have much political power. By contrast, kings and emirs in Southwest Asia are powerful rulers.

Read the following description of the government of Jordan and complete the graphic organizer to show the king's authority in this government. Then answer the questions.

The Power of the King

The government of Jordan has three branches: executive, legislative, and judicial. The king of Jordan leads the executive branch and exercises power over the other two branches.

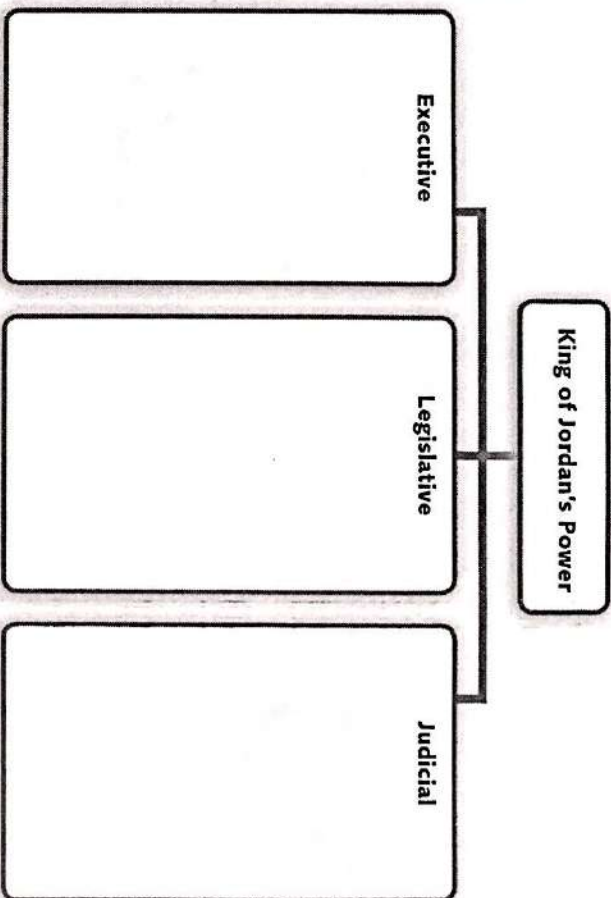
The king governs with the help of a large Council of Ministers, led by a prime minister. The king can appoint and dismiss members of the council. He also chooses and dismisses judges. He signs and approves all laws, commands the armed forces, declares war, and approves amendments to the constitution.

Jordan's National Assembly, like the U.S. Congress, has two houses.

However, the king appoints the members of the upper house, or House of Notables. The voters of Jordan elect the members of the Chamber of Deputies, the lower house. By a royal decree, the king can dismiss the National Assembly or call it to meet.

Members of both houses propose, debate, and vote on laws. The Council of Ministers can also propose bills. A law then goes to the king for his signature. If the king rejects a law, it goes back to the National Assembly where legislators can override the rejection by a two-thirds vote in both houses.

1. Create Graphic Organizers In the box for each branch, list the powers the king has over that branch.



2. Categorize What principal power does the National Assembly have over the king?
3. Identify What influence do the voters of Jordan have on their government?
4. Evaluate Would you describe the government of Jordan as a democracy? Why or why not?