

Cohen Middle School
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Name: _____ Date: November 20th, 2019

Math:

Equivalent Ratios
nb 53 = 54

hmk wksh + Ratio Quiz Fri.

Social Studies:

- 3 kingdoms of Egypt

HW: Religion In Egypt

ELA:

Daily Warm Up

Best Draft - Comparison Narrative

Science

① HW Review "Soccer + Physics"

② WORD SORT / VOCAB RP Practice

③ Pg 10, 13 (FRICTION LAB)

④ HW: STUDY Newtons 1st, 3rd Law +

Computer Apps/ Technology

VOCAB

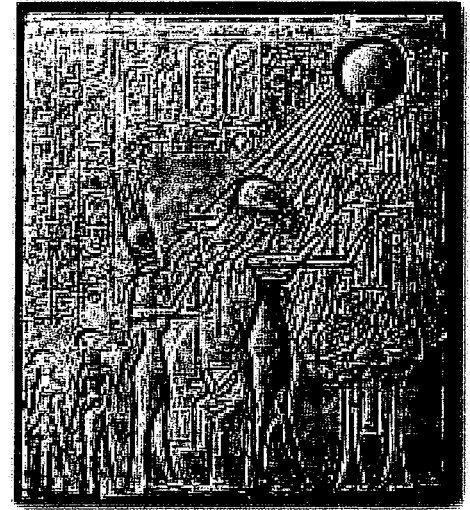
Name: _____

Religion in Ancient Egypt

Religion was important in the daily life of Egyptians. They worshiped many gods. This is known as **polytheism**. During the New Kingdom period, the people of Egypt worshiped more than sixty gods and goddesses!

Egyptians pictured their gods and goddesses in different ways. A few of the gods and goddesses were thought to be like ordinary men and women. Some were like animals. Many were thought to be half-human and half-animal. One god could appear in different forms.

Gods and goddesses often symbolized the sky, wind, sun, or earth. The people believed that gods made the sun rise in the morning and set at night. They believed the gods watched over everything that happened on Earth and in the afterlife.



Temples were built for the most important gods and goddesses. Temples were not like our modern churches. Ordinary people could not go inside. The temple was the home of the god. Inside the temples were sacred statues. The statues were cared for by priests. Priests were servants of the gods. Every morning, the high priest washed the statue with sacred water. The statues were dressed. The high priest put fresh makeup on the statue. The statue was served food. Ordinary people could not see the sacred statues. People visited the temples, but they said prayers and left gifts outside. Only the priests and the pharaoh could go inside. The people brought the food that was offered to the gods by the priests. These offerings were made to keep the gods happy.

In their homes, people kept statues of their favorite gods and goddesses. They made shrines in their homes for them. Offerings were made to the gods in the home shrines. People prayed to the gods for help with their daily lives.

Religion in Ancient Egypt

Questions

1. The ancient Egyptian religion had more than _____ gods and goddesses.

Name: _____

edHelper

2. *They worshiped many gods. This is known as **polytheism**.* The root word "theism" means "belief in god." What do you think the prefix "poly" means?
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_____ 3. Who could enter the sacred temples?

- A. everyone
- B. scribes
- C. no one
- D. the priests and the pharaoh

_____ 4. Temples were believed to be the homes of the gods. Which of these answer choices best supports this main idea?

- A. Statues of the gods in the temples were treated as if they were alive. Statues were washed, dressed, and given food.
- B. People prayed to the gods for help with their daily lives.
- C. Egyptians pictured their gods and goddesses in different ways.
- D. none of the above

_____ 5. Some gods and goddesses were thought to be _____.

- A. like ordinary men and women
- B. like animals
- C. half-human and half-animal
- D. all of the above

_____ 6. Why did the people make offerings to the gods?

- A. to keep the gods happy
- B. to the sun rise in the morning
- C. to make it rain
- D. none of the above

Force & Motion Notebook #1 Vocabulary

Word	Definition
Force	An interaction between objects; a push or pull
Gravity	The force of attraction between any two objects
Interaction	To act on, or be acted upon by one or more objects
Newton (N)	The common unit for measuring for force (metric system)
Spring Scale	A simple piece of technology designed to measure force.
Weight	The downward force of gravity on a mass
Mass	The amount of matter "stuff" in an object
Friction	A force acting between surfaces in contact, that acts to resist motion

EQUIVALENT RATIOS

7.53

RATIO

- A ratio is a multiplicative comparison of two quantities, which describe the same attribute. They can be written three ways.

Ex: dogs to animals students: teachers $\frac{\text{red marbles}}{\text{blue marbles}}$

EQUIVALENT RATIOS

- Ratios that are equivalent can be simplified to the same values.

Ex: $4:5 = 8:10, 12:15$

$\frac{1}{6} = \frac{2}{12} = \frac{3}{18}$

Each ratio simplifies to the same value.

Create two ratios that are equivalent to the ratios below.

1. 7:11 answers vary	2. 18:12 answers vary	3. 6:10 answers vary
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Determine if the ratios below are equivalent. If so, determine the multiplier or scale factor.

4. $\frac{2}{5}$ and $\frac{8}{20}$ x4 equivalent, scale factor of 4	5. $\frac{12}{4}$ and $\frac{6}{3}$ $36 \neq 24$ not equivalent $12 \cdot 3 = 36$ $6 \cdot 4 = 24$	6. $\frac{8}{6}$ and $\frac{20}{15}$ $120 = 120$ equivalent, scale factor of 2.5 $8(15) = 120$ $20(6) = 120$
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There are several methods that can be used when working with ratios.

TAPE DIAGRAM

Audrey and Megan are decorating for a birthday party. Audrey hangs 4 streamers in the same amount of time that Megan hangs 6. If Audrey hangs 12 streamers, then how many will Megan hang?

A $\frac{4}{6} = \frac{12}{x}$

M $\frac{4}{6} = \frac{12}{x}$

Megan will hang 18.

DOUBLE NUMBER LINES

In the computer lab, there is 1 PC for every 3 Mac computers. If the computer lab has a total of 24 computers, then how many are Mac?

PC	1
Mac	3
Total	4

Mac	3	6	9	12	15	18
Total	4	8	12	16	20	24

$$\begin{array}{r} M \quad 3 \\ + \quad 4 \\ \hline \end{array} = \frac{x}{24}$$

$x = 18$ mac computers

PROPORTIONS

On his math facts quiz, Jeremy missed 2 out of 11 questions. The next quiz has 55 questions. How many can Jeremy expect to get correct?

Missed Questions	2	x
Total	11	55

$$\begin{array}{r} M \quad 2 \\ + \quad 11 \\ \hline \end{array} = \frac{x}{55}$$

$x = 10$ Missed

55 total
- 10 Missed
45 questions correct

Use your understanding of ratios to answer the questions below.

7. A lemonade mix calls for 2 tablespoons of mix for every 3 cups of water. If the container has 24 tablespoons of mix, then how many cups of water will be needed?

Mix	2	4	6	8	10	12	14	16	18	20	22	24
Water	3	6	9	12	15	18	21	24	27	30	33	36

$$\begin{array}{r} M \quad 2 \\ W \quad 3 \\ \hline \end{array} = \frac{24}{x}$$

$x = 36$ cups of water

8. Jamal says that 18:12 and 3:4 are not equivalent ratios. Margie says they are equivalent ratios. Who is correct? Justify your solution.

Jamal is correct because 18:12 simplifies to 3:2, not 3:4. In order for ratios to be equivalent they must simplify to the same values. or

$$\frac{18}{12} = \frac{3}{2} \neq \frac{3}{4}$$

They do not have the same products. $18(4) = 72 \neq 12(3) = 36$

Summarize today's lesson:

EQUIVALENT RATIOS

Determine if the ratios below are equivalent or not. Justify your reasoning.

<p>1. 4:18 and 2:12</p> <p>_____</p> <p>_____</p>	<p>2. 5:20 and 15:60</p> <p>_____</p> <p>_____</p>	<p>3. 17:3 and 68:12</p> <p>_____</p> <p>_____</p>
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Use your understanding of ratios to answer the questions below.

TAPE DIAGRAMS	<p>Preston reads for 20 minutes and practices his math facts for 5 minutes each night. After several days, he had practiced math facts for 45 minutes. How many minutes did Preston read in the same time period?</p>
DOUBLE NUMBER LINES	<p>In a pizza eating contest, a participant can eat 3 slices of pizza in 2 minutes. If he continues at this rate, then how many slices of pizza will he eat in 10 minutes?</p>
PROPORTIONS	<p>Sally's Summer Punch recipe is a combination of lemonade and fruit punch. Sally uses 6 cups of lemonade for every 8 cups of fruit punch. August made a recipe with 35 cups of liquid total, 15 of which were lemonade. Explain if August made the recipe using the correct ratios.</p> <p>_____</p> <p>_____</p> <p>_____</p>

