Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Time Unit Notes**

\*The presentation to complete this page may be accessed on my website

**I. Time Zones:**

1) What is the circumference of Earth? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2) How many times zones are there on Earth? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3) How many miles are between each time zone? \_\_\_\_\_\_\_\_\_\_\_\_\_ (this is the same distance that Earth spins every hour)

4) Which meridian is located at **0 degrees longitude** and is the basis for all other time zones? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5) Which meridian is located at **180 degrees longitude** and is where the ***date changes*** ***from one day to the next***? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**II. Historical Methods of Telling Time:**

6) What do you call the measurement of time marked by how long a king or queen ruled? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7) Who came up with the **Olympiad**, which measured time based on the 4 years between Olympic games? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8) Who was the 6th Century Catholic monk who invented the term **A.D.** in A.D. 525? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

   a. What does **A.D.** stand for? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 b. What is the Latin translation of A.D.: “\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_”

   c. From the Latin translation, this means that A.D. is based on what ***event***? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

   d. What’s the non-religious way to write A.D.? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**\*Please note:** Like negative numbers on a number line, any date from B.C. **must** be labeled B.C. (A.D., like positive numbers, does not need to be labeled).

* + - What do these initials stand for? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9) What does **B.C.** stand for? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

   a. What’s the non-religious way to write B.C.? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* + - What do these initials stand for? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 10) What does **circa** mean? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

   a. When would circa be used? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 b. What are the two abbreviations for circa? 1) \_\_\_\_\_\_\_\_\_\_\_ & 2) \_\_\_\_\_\_\_\_\_\_\_\_

11) How long is a **decade**? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**\*Note:** Century is abbreviated **C.**

12) How long is a **century**? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Since the 1st C. is the years 1-100 (in both B.C. & A.D.), you find the century by taking the YEAR, dividing it by100, and ADDING ONE. (Example: 1800s/100 = 18 + 1 = 19th C.)** What century would the following years be?

**a)** **6**00s = **\_\_\_\_\_** C. **b)** **9**00s = **\_\_\_\_\_** C. **c)** **17**00s = **\_\_\_\_\_** C. **d)** **19**00s = **\_\_\_\_\_** C. **e)** **20**00s = **\_\_\_\_\_** C. **f)** **21**00s = **\_\_\_\_\_** C.

13) What do you call a long period in history marked by distinct features, characteristics, and/or events? \_\_\_\_\_\_\_\_\_\_\_\_

 a. List two examples: 1) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ & 2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

14) What major event separates **ancient** from **modern times**? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**1**

**Using the timeline, answer the following questions. You may use the space at the bottom of this page for any questions that require math.**



1.What is the title of the timeline?

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. In what year was the Black-and-White TV invented?  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 a) Using your iPad to research, when was the color TV invented? \_\_\_\_\_\_\_\_\_

3. Which invention on the timeline was invented the earliest in history? In what year? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. Which invention on the timeline was invented most recently? In what year? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. How many years ago was the Personal Computer (PC) invented? \_\_\_\_\_\_\_\_\_\_\_

6. How many years did it take for the Videotape to be replaced by the Digital Video Disc (DVD)? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. Satellite TV made it possible to broadcast channels nationally and internationally from satellites orbiting Earth. How many years ago was Satellite TV invented? \_\_\_\_\_\_\_\_\_\_\_\_\_\_

8. Which of these inventions or dates surprises you the most –OR– which one(s) have you never heard of? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2

**Timeline Practice – Part 1**

**Please note:** When dates are on the **SAME** side of the timeline, you **SUBTRACT** the *smaller year* from the **larger one** to figure out how many years separate the two dates. When dates are on the **OPPOSITE** side of the timeline, you **ADD** the two years together.

Using the information above, put a **+** or **–** sign **in the box next to each equation below** to show if you would add or subtract the years shown. Then, **complete the equation** to see how many years separate each date.

1980 **A.D.**       1200 **B.C.** 44 **B.C.** 476 **A.D.**

1945 **A.D.** 700 **B.C.**         33 **A.D.**         27 **B.C.**

\*Timelines are like number lines, with B.C. being like negative numbers, and A.D. like positive numbers – each side’s numbers/years get bigger as they ***move away from zero***.

A.D. 45

A.D. 30

A.D. 15

45 B.C.

30 B.C.

15 B.C.

**0**

 **On the timeline below, please complete the following:**

1) Label both sides of the timeline on the lines provided: B.C./B.C.E. & A.D./C.E.

2) Place the following dates and events in the correct order on the timeline.

* 3100 B.C. – First Egyptian writing
* 1200 B.C. – First Chinese writing
* 1000 B.C. – Phoenician alphabet invented
* A.D. 1440 – Printing press invented
* A.D. 1819 – Braille writing invented
* A.D. 1867 – Typewriter invented

  0

 How many ***decades*** separate the dates below?  **\*Hint:** First *add* or *subtract*, and then *divide by 10*.

1. **A.D.** 600 & **A.D.** 1000 🡪 \_\_\_\_\_\_\_\_ decades
2. **A.D.** 1920 & **A.D.** 2000 🡪 \_\_\_\_\_\_\_\_ decades
3. 1550 **B.C.** & 1480 **B.C.** 🡪 \_\_\_\_\_\_\_\_ decades
4. 100 **B.C.E.** & 100 **C.E.** 🡪 \_\_\_\_\_\_\_\_ decades

 How many ***centuries*** separate the dates below?  **\*Hint:** First *add* or *subtract*, and then *divide by 100*.

1. 1700 **B.C.E.** and 1700 **C.E.** 🡪 \_\_\_\_\_\_\_\_ centuries
2. 5,000 **B.C.E.** and 2000 **C.E.** 🡪 \_\_\_\_\_\_\_\_ centuries
3. **A.D.** 1100 and **A.D.** 1800 🡪 \_\_\_\_\_\_\_\_ centuries
4. 1500 **B.C.** and 500 **B.C.** 🡪 \_\_\_\_\_\_\_\_ centuries

3

**Directions: Use the timeline to answer the questions below.**

**300 B.C**.

Board games invented in Greece and Rome

**A.D. 1351**

Tennis became open-air game in England

**c. 2500 B.C**.

Wrestling becomes a developed sport

**A.D. 500**

Chess invented in

Persia

**0**

**A.D. 1120**

Invention of playing cards by Chinese

**776 B.C.**

First recorded Olympic Games

**264 B.C**.

Gladiators publicly battle in Rome

**c. 3000 B.C**.

Dice & board games invented in Ur

**c. 1500 B.C**.

Fencing developed in Egypt

**\*Remember: SAME = SUBTRACT / OPPOSITE = ADD**

1.

**2. How many years between the invention**

 **of board games in Ur and board games in**

 **Greece and Rome?**

 Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_ years

**Show your work:**

**Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_ years**

**1. How many years does the timeline cover?**

Answer: \_\_\_\_\_\_\_\_\_\_\_ years

**Show your work:**

**4. Which appeared earlier in history, fencing in**

 **Egypt or chess in Persia?**

 **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

How many years earlier? \_\_\_\_\_\_\_\_\_\_\_\_\_ years

**Show your work:**

**Answer: \_\_\_\_\_\_\_\_\_\_\_\_ years earlier**

**3. How many years between the first Olympic**

 **Games and wrestling becoming a developed**

 **sport?**

Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ years between

**Show your work:**

**Answer: \_\_\_\_\_\_\_\_ years**

**5. How many years has it been since gladiators first started battling publicly in Rome?**

Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ years **Show your work:**

**Answer: \_\_\_\_\_\_\_\_ years**

4