

Date: \_\_\_\_\_

Instructors: Peter Curley, Channing Hodgkins, Jared Lyons

Student Name/ID#: \_\_\_\_\_

Total Score:

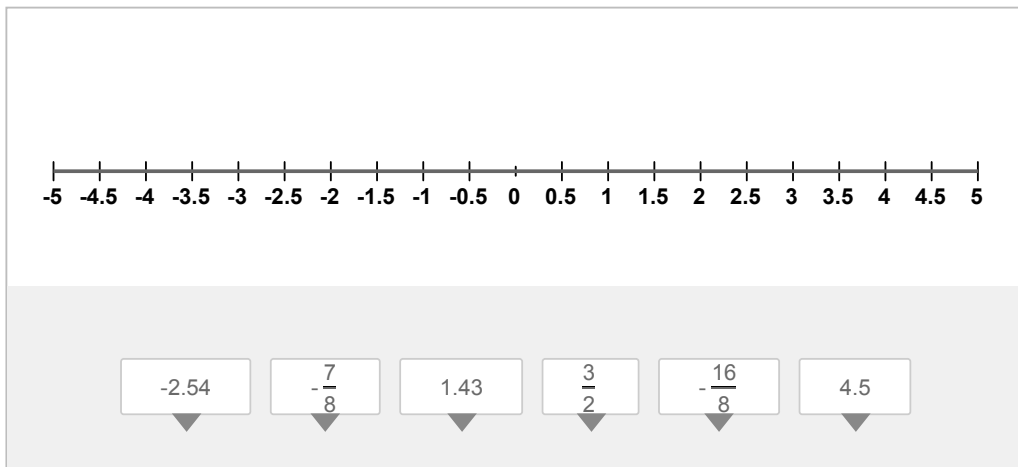
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ARCHBISHOP WILLIAMS HIGH SCHOOL - AWHS SUMMER MATH ASSIGNMENTS: SECTION 1

**Students Entering PRE ALGEBRA (All levels) - Summer Assignment****QUESTION 1** /1**TOPIC: Place Value**Choose the correct place value for the underlined digit: 2,542A  onesB  tenthC  hundredthD  thousandth**QUESTION 2** /1**TOPIC: Place Value**Choose the correct place value for the underlined digit: 32.534A  onesB  tenthC  hundredthD  thousandth**QUESTION 3** /1**TOPIC: Place Value**Choose the correct place value for the underlined digit: .0329A  onesB  hundredthC  tenthD  thousandth**QUESTION 4** /6

**TOPIC: Ordering Numbers**

Drag and drop the following numbers in the correct spot on the number line.



QUESTION 5

 /1**TOPIC: Equivalent Fractions**

Complete the fraction so that they are equivalent.

$$\frac{3}{5} = \frac{21}{\quad}$$

The missing denominator is equal to \_\_\_\_\_

QUESTION 6

 /1

## TOPIC: Equivalent Fractions

Complete the fraction so that they are equivalent.

$$\frac{14}{15} = \frac{\quad}{30}$$

The missing numerator is equal to \_\_\_\_\_

QUESTION 7

 /1

## TOPIC: Equivalent Fractions

Complete the fraction so that they are equivalent.

$$\frac{27}{72} = \frac{3}{\quad}$$

The missing denominator is equal to \_\_\_\_\_

QUESTION 8

 /1

**TOPIC: Fractions in simplest form**

**Write the following fraction in simplest form:**

$$\frac{16}{20}$$

*Note: while writing the fraction, use the back slash to form a fraction*

QUESTION 9

 /1

**TOPIC: Fractions in simplest form**

**Write the following fraction in simplest form:**

$$\frac{15}{30}$$

*Note: while writing the fraction, use the back slash to form a fraction*

QUESTION 10

 /1

**TOPIC: Fractions in simplest form**

Write the following fraction in simplest form:

$$\frac{21}{35}$$

*Note: while writing the fraction, use the back slash to form a fraction*

QUESTION 11

 /1**TOPIC: Fractions, Improper and Mixed**

Write each mixed number as an improper fraction.

$$4\frac{3}{4}$$

*Note: In order to make a fraction, please use the back slash*

QUESTION 12

 /1

**TOPIC: Fractions, Improper and Mixed**

Write each mixed number as an improper fraction.

$$12\frac{7}{8}$$

*Note: In order to make a fraction, please use the back slash*

QUESTION 13

 /1**TOPIC: Fractions, Improper and Mixed**

Write each improper fraction as a mixed number.

$$\frac{11}{4}$$

*Note: use the back slash to create a fraction. For example, 9 1/2*

QUESTION 14

 /1

**TOPIC: Fractions, Improper and Mixed**

Write each improper fraction as a mixed number.

$$\frac{22}{3}$$

*Note: use the back slash to create a fraction. For example, 9 1/2*

QUESTION 15

 /1**TOPIC: Fractions, Improper and Mixed**

Write each improper fraction as a mixed number.

$$\frac{30}{12}$$

*Note: use the back slash to create a fraction. For example, 9 1/2*

QUESTION 16

 /5

**TOPIC: Comparing and Ordering Fractions**

Order the set of fractions from least to greatest.

A   $\frac{2}{3}$

B   $\frac{1}{7}$

C   $\frac{2}{5}$

D   $\frac{7}{8}$

E   $\frac{3}{4}$

QUESTION 17

 /1**TOPIC: Addition**

Add the following.

$429 + 9.07 =$  \_\_\_\_\_

QUESTION 18

 /1**TOPIC: Addition**

Add the following.

$832 + 79 + 104 =$  \_\_\_\_\_

QUESTION 19

 /1



**TOPIC: Adding Fractions**

Add the following:

$$\frac{1}{5} + \frac{7}{12}$$

QUESTION 20

 /1**TOPIC: Adding Fractions**

Add the following:

$$\frac{2}{3} + \left(-\frac{2}{5}\right)$$

QUESTION 21

 /1**TOPIC: Subtraction**

Subtract the following.

$$61,382 - 49,783 = \underline{\hspace{10em}}$$

QUESTION 22

 /1

TOPIC: Subtraction

Subtract the following.

$6.23 - 3.21 = \underline{\hspace{10em}}$

QUESTION 23

 /1

TOPIC: Subtracting Fractions

Subtract the following:

$$\frac{1}{7} - \frac{2}{5}$$

QUESTION 24

 /1

**TOPIC: Subtracting Fractions**

Subtract the following:

$$23\frac{1}{2} - 15\frac{1}{4}$$

QUESTION 25

 /1**TOPIC: Multiplication**

Multiply the following.

$3845 \times 21 = \underline{\hspace{10em}}$

QUESTION 26

 /1**TOPIC: Multiplication**

Multiply the following:

$(-32.45)(12.3) = \underline{\hspace{10em}}$

QUESTION 27

 /1

**TOPIC: Multiplying Fractions**

Multiply the following fractions and put them in simplest form:

$$\frac{7}{13} \times \frac{2}{3}$$

QUESTION 28

 /1**TOPIC: Division**

Divide the following.

$351 \div 3 = \underline{\hspace{10em}}$

QUESTION 29

 /1**TOPIC: Division of Decimals**

Divide the following.

$145.3 \div 5 = \underline{\hspace{10em}}$

QUESTION 30

 /1

**TOPIC: Division of Fractions**

Divide the following fractions and put your answer in simplest form:

$$\frac{9}{7} \div \frac{3}{14}$$

QUESTION 31

 /1**TOPIC: Order of Operations**

Find the value of each expression.

$24 - 8 \div 2 \times 4 + 3 =$  \_\_\_\_\_

QUESTION 32

 /1**TOPIC: Order of Operations**

Find the value of each expression.

$(16 + 8) \div (4 - 2) =$  \_\_\_\_\_

QUESTION 33

 /1

**TOPIC: Order of Operations****Find the value of each expression.**

$$30 - 9 \div 3 + 6 \times 9 = \underline{\hspace{10em}}$$