



Jakarta International School

Name: _____

6th Grade

Practice test-formative-2

Number patterns and fractions- Green

Date: _____

Score: $\frac{\quad}{25}$

Vocabulary.

1) Choose the correct word from the vocabulary box to complete the sentence.
(1pt each)

a. The number above the fraction bar in a fraction is called
the _____.

b. When you multiply a fraction and its _____,
the product is one.

fraction denominator reciprocal divide numerator
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Improper Fractions and Mixed numbers

2) Rewrite the mixed numbers as improper fractions. (1pt each)

a. $4\frac{3}{5} =$

b. $9\frac{1}{7} =$

3) Rewrite the improper fractions as mixed numbers. (1pt each)

a. $\frac{62}{5} =$

b. $\frac{25}{3} =$

Comparing Fractions

4) Re-write these 3 numbers in order from **least to greatest**. (3pts)

$\frac{9}{5}$, $1\frac{1}{2}$, $1\frac{3}{5}$,

Decimals and Fractions

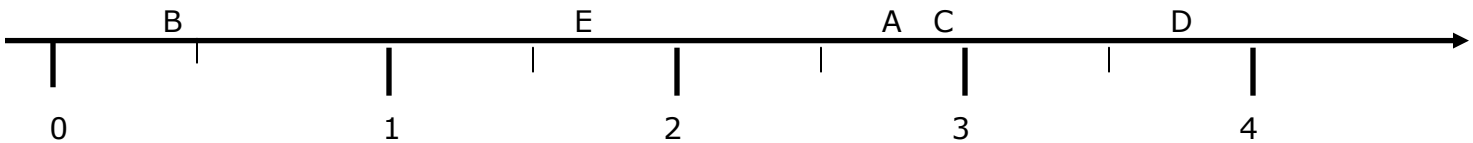
5) Express each fraction as a decimal. (1pt each)

a. $\frac{7}{100}$

b. $\frac{11}{20}$

6) Each letter A, B, C, D, E on the number line represents a number shown in the table. Write the letter in the space underneath the number it represents. (5pts)

$\frac{10}{25}$	$1\frac{3}{5}$	2.7	2.98323	$\frac{15}{4}$



Estimation with Fractions - *read the question carefully.*

7) You need $3\frac{3}{4}$ liters of paint to repaint the walls of Ms. Shiver's classroom and $5\frac{2}{3}$ liters of paint for Mr. McKibben's room. Without working out the addition of the fractions, show how to estimate how much paint the school needs to buy.

clues: You can buy paint in 1 liter tins and in $\frac{1}{2}$ liter tins.

It is best to have only a small amount of paint left over. (3pts)

Operations with fractions and mixed numbers

Show your working when you solve each problem. (2pts each)

8) You are choosing 72 coloured balloons for your valentine's party. You want $\frac{7}{8}$ of the balloons to be red. How many red balloons will you need to buy?

9) Ms.Voss is choosing a new tablecloth for her dining-room table. She needs to know the area of the table. It measures $1\frac{3}{5}$ meters \times $2\frac{1}{2}$ meters. What is the area of the table? (Simplify your answer)

10) You are stacking CDs into a box that is $16\frac{1}{2}$ centimeters high.

Each CD is $1\frac{1}{2}$ centimeters thick.

How many CDs can you fit into the box in a single stack?

