


WEEK ENDING.....16/09/2022.....

SUBJECT...PRE-TECHNICAL SKILLS

REFERENCE...SYLLABUS(CRDD,2007), PRE-TECH FOR JHS

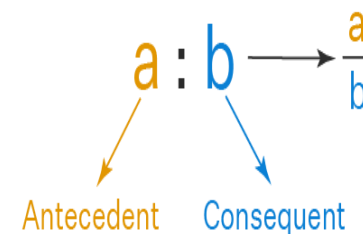
FORM.....BASIC 8.....WEEK.....1.....

<u>DAY/DURATION</u>	<u>TOPIC/SUB-TOPIC/ASPECT</u>	<u>OBJECTIVES/R.P. K</u>	<u>TEACHER- LEARNER ACTIVITIES</u>	<u>T/L MATERIALS</u>	<u>CORE POINTS</u>	<u>EVALUATION AND REMARKS</u>
TUESDAY 13-09-2022 1:20PM – 2:40PM 80min	Topic Ratio and Proportion Sub-Topic Expressing two quantities as Ratio.	By the end of the lesson the Pupil will be able to; express two similar quantities as a ratio RPK Pupils were taught Ratio and Proportion in the previous class.	Introduction Discuss the meaning of Ratio with the Pupils Activities 1. Take Pupils through how to write Ratio of two quantities. 2. Guide pupils to compare two similar quantities by finding how many times one is of the other Closure	Pictures, Chart, Scale, beam balance.	<p>A rate is a ratio that compares two different quantities that have different units of measure. A rate is a comparison that provides information such as dollars per hour, feet per second, miles per hour, and dollars per quart, for example. The word “per” usually indicates you are dealing with a rate.</p>  <p>1. if there are eight oranges and six lemons in a bowl of fruit, then the ratio of oranges to lemons is eight to six (that is, 8:6, which is equivalent to the ratio 4:3).</p>	Exercise; Find the ratio of the following; i. in a whole class of 30 students there are 10 girls and 20 boys. ii. Write the ratio of 50 minutes to 2 hours. iii. Kofi is as twice the age of his brother Kwame. Write the ratio if the Kwame is 9 years.

			Pupils practice writing ratios of two similar quantities.		<p>2. the ratio of lemons to oranges is 6:8 (or 3:4) and the ratio of oranges to the total amount of fruit is 8:14 (or 4:7)</p> <p>3. The ratio of boys to girls is 2:3 or $\frac{2}{3}$</p> <p>4. The ratio of girls to boys is 3:2 or $\frac{3}{2}$</p> <p>5. The ratio of boys to all pups is 2:5 or $\frac{2}{5}$</p> <p>6. The ratio of girls to all pups is 3:5 or $\frac{3}{5}$</p>	
THURSDAY 15-09-2022 8:05AM – 9:15AM 70min	Topic Ratio and Proportion Sub-Topic Expressing two equal ratios as Proportion	Objective; By the end of the lesson the Pupil will be able to; express two equal ratios as a proportion RPK Pupils were taught Ratio and Proportion in the previous class.	Introduction Assist Pupils to explain the difference between Ratio and Proportion. Activities <ol style="list-style-type: none"> Discuss how to write Proportions of two equal ratios. Guide pupils to express 	Pictures, Chart, Scale, beam balance.	<p>A proportion is simply a statement that two ratios are equal. It can be written in two ways: as two equal fractions $\frac{a}{b} = \frac{c}{d}$; or using a colon, a:b = c:d. The following proportion is read as "twenty is to twenty-five as four is to five.</p> <p style="text-align: center;">Proportion – two equal ratios</p> $\frac{1}{2} = \frac{4}{8} \qquad \frac{3}{5} = \frac{15}{25}$ $\frac{7}{8} = \frac{21}{24} \qquad \frac{a}{b} = \frac{c}{d}$	Exercise; Write the following ratios in Proportion; <ol style="list-style-type: none"> Find out if the ratios 6:8 and 24:32 are in proportion. There are 30 students in a class. The number of students who like Math and the ones who like

two equal ratios as a proportion.
Closure
 Pupils in small groups discuss and write 5 examples of ratio and proportion of statements.

Ratio Formula



Ratio	Proportion
It is used to compare the size of two quantities with the same unit.	It is used to express the relation of two ratios.
The symbols used to express a ratio - a colon (:), slash (/)	The symbol used to express a proportion - double colon (::)

REMARKS

Science is expressed in the ratio 2:3. Find the number of students who like Math and the ones who like Science.

					<div><div>It is referred to as an expression.</div><div>It is referred to as an equation.</div></div>	
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