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REVISION WORKSHEET -GRADE 5
Pre Mid-Term Examination 2026-27

Question 1. Fill in the Blanks using words from the list on the right ->

Conditional
Variable
Switch
Interference
Radio waves
Source, destination
Towers
Transmit
Wired
Networks

i. A **Variable** in computer programming acts like a labeled container or a box that holds information.
ii. Devices like switches and routers help to **Transmit** data.
iii. Cellular networks use **Radio waves** to send signals over large distances.
iv. Selection statements are also called **Conditional** statements.
v. Each packet has a **Source** address and a **destination** address.
vi. The biggest disadvantage of cellular networks is that they can suffer from **Interference**.

Question 2: Circle the correct option:

i. Which type of connection uses a cable and is often faster and more reliable than Wi-Fi?
a) Cellular b) Wi-Fi **c) Ethernet** d) Radio waves

ii. Which device helps data find the best path in a network?
a) Web server b) Switch **c) Router** d) Web browser

iii. What is the example of web browser?
a) Scratch
b) Microsoft Excel **c) Google Chrome** d) Ethernet

iv. Which of the following correctly assigns the value 9 to the variable Age?
a) SET AGE TO 9 b) SET 9 TO AGE
c) AGE SET 9 TO d) TO 9 SET AGE

v. Comparison operators compare two values and return:
a) True or False b) Nothing c) A color d) A sprite

vi. Which Scratch operator block is used to multiply two numbers?
a) ( ) + ( ) b) ( ) − ( ) **c) ( ) * ( )** d) ( ) / ( )

vii. Which selection statement is used when there are two possible outcomes?
a) IF–THEN **b) IF–THEN–ELSE** c) SET d) REPEAT

viii. In "If the school bell rings, then it is time for lunch", what is the conclusion?
a) the school bell rings **b) it is time for lunch**

Question 3: Give short answers to the following questions:

a) Name the two types of selection statements?
IF–THEN and IF–THEN–ELSE _____

b) Write two benefits of sending data in packets.
1. Data travels faster and more efficiently.
2. If a packet is lost, only that packet is sent again instead of the whole file.

Question 4: Answer the following.

a) Write Number or Word for the value you would store in each variable:
i. Age: **Number** ii. Name: **Word** iii. Shoe size: **Number** iv. Favorite color: **Word**

b) Maaz stores his favorite vegetable in a variable called MyFavoriteVegetable.
i. Write an algorithm to assign your own favorite vegetable to the variable:

Start
Set MyFavoriteVegetable to Carrot
End _____

ii. Write a meaningful name for a variable that stores his favorite fruit: **MyFavoriteFruit**

c) At a birthday party, Kitty is 9. Fill in the variables:
Value for the Name variable: **Kitty** Value for the Age variable: **9**

Question 5a: Follow each algorithm and write the value assigned to the last variable.

Algorithm	Questions
Set Boys to 12 Set Girls to 9 Set Students to Boys + Girls	1. What is the value of Students? **21**

Question 5bTask: Create your own two variables, assign a value to each, then add the values together and store the result in a third variable.

Set Num1 to 8

Set Num2 to 5

Set Total to Num1 + Num2 (Total = 13)

Question 6: Operators: Answer the following.
a) Evaluate each set of instructions. Write True or False for the condition.

Instructions	True / False
1 a. Set Volume to full b. Is Volume equal to full?	**True**
2 a. Set CorrectPassword to 123ABC b. Set UserPassword to CBA321 c. Is CorrectPassword equal to UserPassword?	**False**
3 a. Set Age to 10 b. Is Age equal to 11?	**False**

b) What should the value of UserPassword be for instruction 2 to become True? **123ABC**
c) What should the value of Volume be for instruction 1 to become False? **Any value other than full (e.g., half / empty)**

Question 7: Linear vs. Selection Algorithm: Compare the two evening routines.

Evening routine – Linear	Evening routine – Selection
1 Come home from school 2 Do homework 3 Play games 4 Eat dinner 5 Go to bed	1 Come home from school 2 IF HomeworkDone equals YES THEN Play games ELSE Do homework Play games 3 Eat dinner 4 IF IsBedtime equals YES THEN Go to bed

1. How many actions will the linear algorithm carry out when run? **5**
2. How many actions will the selection algorithm carry out when:
   a) HomeworkDone = YES and IsBedtime = YES: **4**
   b) HomeworkDone = YES and IsBedtime = NO: **3**

Question 8: **Selection: Answer the following.**

a) Identify the condition part and the conclusion part of each IF–THEN statement.

Statement	Condition Part	Conclusion Part
1) If I am tired, then I will sleep.	I am tired	I will sleep
2) If a polygon has four sides, then it is a quadrilateral.	A polygon has four sides	It is a quadrilateral
3) If I finish my homework, then I can watch TV.	I finish my homework	I can watch TV

b) Read the IF–THEN–ELSE statement and answer the questions:

1 IF Time equals to Night
THEN say "Good Night"
ELSE say "Good Day"
2 Say "See you tomorrow"

i. What will the algorithm say if the condition is true? Good Night
ii. What will the algorithm say if the condition is false? Good Day
iii. What will it say whether the condition is true or false? See you tomorrow