

Worksheet 1: What Is Data?

Name: _____ Date: _____

1. Circle the best meaning of data.
 - a) A kind of game
 - b) Information we collect
 - c) A type of pencil
2. Circle the best question for collecting data.
 - a) What is your favourite fruit?
 - b) Can a cloud jump?
 - c) Is purple louder than green?
3. True or False: A survey is one way to collect data. _____
4. True or False: Data can only be collected at school. _____
5. Fill in the blank: We collect data to answer a _____.
6. Fill in the blank: A class poll is a quick way to collect _____.
7. Circle the group that shows categorical data.
 - a) red, blue, green
 - b) 2, 4, 6
 - c) 10, 20, 30
8. Circle the group that shows discrete numerical data.
 - a) cats, dogs, fish
 - b) 1, 3, 5
 - c) happy, sad, excited
9. Match the word to its meaning. Write the letter.

a) survey	_____ asking people for answers
b) observation	_____ something we want to find out
c) question	_____ looking carefully to collect information
10. Circle the best tool for asking lots of people the same question.

a) survey	b) ruler	c) paintbrush
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11. True or False: You should start with a clear question. _____

Worksheet 2: Surveys and Questions

Name: _____ Date: _____

1. Circle the best survey question.
 - a) What is your favourite sport?
 - b) Why is the moon made of toast?
 - c) Can books swim?
2. Circle the best answer set for the question “What is your favourite pet?”
 - a) dog, cat, fish
 - b) 5, 7, 9
 - c) big, bigger, biggest
3. True or False: A good survey question should be clear. _____
4. True or False: A survey question should confuse people. _____
5. Fill in the blank: A survey helps us collect _____ from people.
6. Fill in the blank: We should ask the _____ question to each person.
7. Circle the question that would work best in a class survey.
 - a) How many brothers and sisters do you have?
 - b) Is a rainbow square?
 - c) Can rain sing?
8. Match each question to the type of data. Write the letter.
 - a) categorical
 - b) discrete numerical

_____ What is your favourite ice cream flavour?

_____ How many books did you read this week?

_____ Which season do you like best?

_____ How many pets do you have?
9. Circle the better way to ask a survey.
 - a) Ask different questions to each person
 - b) Ask the same question to each person
 - c) Guess the answers
10. Write two possible answers for this question: “What is your favourite lunch?”

Worksheet 3: Tallies and Lists

Name: _____ Date: _____

Use this data set for Questions 1–6.

Favourite fruit: apple, banana, apple, orange, banana, banana, apple, orange, banana, apple

1. How many students chose apple? _____
2. How many students chose banana? _____
3. How many students chose orange? _____
4. Which fruit was the most popular? _____
5. Which fruit was the least popular? _____
6. How many students answered altogether? _____
7. Write tally marks for 3. _____
8. Write tally marks for 5. _____
9. Write tally marks for 7. _____
10. Write the correct tally for 4.
11. Write the correct tally for 5.
12. True or False: The fifth tally goes across the first four tallies. _____
13. Fill in the blank: Tallies help us count data more _____.
14. Write tally marks for this list: red, red, blue, red, blue, green, red, green
red: _____
blue: _____
green: _____
15. Circle Yes or No: Are lists and tally marks both ways to record data? Yes / No
16. Draw and label a quick tally chart for pets: dog 4, cat 2.