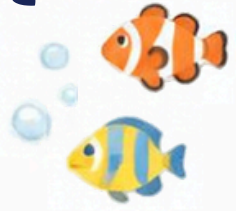




Graphs, Line Plots and Measurement

Read the data and dive in!



Name: _____

Date: _____

1. Picture Graph

Read the graph. Each star stands for 5 votes.

Favorite Sea Animal

Dolphin: ★ ★ ★ ★
Sea Turtle: ★ ★ ★
Octopus: ★ ★ ★ ★ ★
Seahorse: ★ ★

Key: ★ = 5 votes

- a) How many votes does Octopus have? _____
b) How many more votes does Dolphin have than Sea Turtle? _____
c) How many votes are there in all? _____
d) Which animal got 10 votes? _____
e) Jellyfish got 15 votes. Draw the stars for Jellyfish: Jellyfish: _____



2. Bar Graph

Read the graph. Each square stands for 2 shells.

Shells Found This Week

Monday: ■ ■ ■ ■ ■
Tuesday: ■ ■ ■ ■ ■ ■ ■ ■
Wednesday: ■ ■ ■
Thursday: ■ ■ ■ ■ ■ ■ ■ ■

Key: ■ = 2 shells

- a) How many shells were found on Tuesday? _____
b) How many more shells were found on Tuesday than on Wednesday? _____
c) On which day were 14 shells found? _____
d) How many shells were found on all four days? _____
e) On Friday 12 shells were found. Draw the squares for Friday: Friday: _____



3. Line Plot

The line plot shows the lengths of 9 shells to the nearest half inch. Each X is one shell.

Shell Lengths (inches)



- a) How many shells are 2 inches long? _____
- b) How many shells are longer than 2 inches? _____
- c) How many shells were measured in all? _____
- d) How much longer is the longest shell than the shortest shell? _____ inches
- e) Circle the longer length: 2 1/4 inches 2 3/4 inches

4. Liters, Grams and Kilograms

Underline the question. Show your work. Write the answer with the unit.

A fish tank holds 12 liters of water. Mia pours in 5 more liters.
How many liters are in the tank now?

A bucket holds 9 liters. A pail holds 4 liters. How many
more liters does the bucket hold than the pail?

A crab has a mass of 600 grams. A lobster has a mass of
900 grams. What is the mass of both together?

One bag of sand has a mass of 8 kilograms. Another
bag has a mass of 3 kilograms. How many more
kilograms is the first bag?

A fisher fills 3 buckets with 6 liters of water in each bucket.
Then she pours out 5 liters. How many liters are left?

6) A seashell has a mass of about 20 _____. Circle one: grams kilograms

7) A bathtub holds about 150 _____. Circle one: liters grams





Answer Key: Graphs, Line Plots and Measurement



Section 1: a) 25 votes b) 5 votes ($20 - 15 = 5$)
c) 70 votes ($20 + 15 + 25 + 10 = 70$) d) Seahorse
e) 3 stars ($15 \div 5 = 3$)

Section 2: a) 16 shells b) 10 shells ($16 - 6 = 10$)
c) Thursday d) 46 shells ($10 + 16 + 6 + 14 = 46$)
e) 6 squares ($12 \div 2 = 6$)

Section 3: a) 3 shells
b) 3 shells (2 shells at 2 ½ inches plus 1 shell at 3 inches)
c) 9 shells d) 2 inches ($3 - 1 = 2$) e) 2 ¾ inches

Section 4: 1) 17 liters
2) 5 liters
3) 1,500 grams
4) 5 kilograms
5) 13 liters ($3 \times 6 = 18$, then $18 - 5 = 13$)
6) grams 7) liters

