Unit 6 Assessment

① Use the picture graph below to answer the questions.

How Many Pencils?

			▭
	▭		▭
	▭	▭	▭
▭	▭	▭	▭
▭	▭	▭	▭
▭	▭	▭	▭

Mateo Elena Maria David

KEY: each ▭ = 1 pencil

Who has the most pencils? _____

Who has the fewest pencils? _____
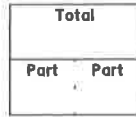
How many more pencils does David have than Maria? _____

Unit 6 Assessment (continued)

For Problems 2–5:

- Write a number model with a ? to show what you need to find. You may draw a [Total / Part Part], [Start Change End], or [Quantity Quantity Difference] to help.

- Solve the problem.

- Write the answer.

② Fish E is 40 inches long. Fish F is 30 inches long.

How much longer is Fish E than Fish F?

Number model: _____

Fish E is _____ inches longer than Fish F.

③ Connor needed 20 juice boxes for her class party. She bought 22. How many extra juice boxes did she have?

Number model: _____

Answer: _____ juice boxes

Unit 6 Assessment (continued)

(4) The giraffe is 13 feet tall when standing.
Its legs are 6 feet long.

How tall is the giraffe when it is lying down?

Number model: _____

Answer: _____ feet

(5) The green ribbon is 15 feet long. The white
ribbon is 10 feet long. Which is longer,
the green ribbon or the white ribbon?

_____

How much longer?

Number model: _____

Answer: _____ feet

Unit 6 Assessment (continued)

(6) Solve.

Elmer had 6 yards of rope.
He found 8 more yards in the garage.
He cut off 5 yards for his project.
How many yards does he have now?

Answer: _____ yards

(7) Make a ballpark estimate and then choose any method to solve.
Use your estimate to check if your answer makes sense.

Show your work.

$39 + 46$

Ballpark estimate: _____

$39 + 46 =$ _____

(8) Solve using partial-sums addition. Show your work.
You may use base-10 blocks to help. If you use blocks,
record your work in base-10 shorthand.

$$\begin{array}{r} 26 \\ + 42 \\ \hline \end{array}$$
$$\begin{array}{r} 194 \\ + 235 \\ \hline \end{array}$$

Unit 6 Challenge

① Addie gathered 5 eggs in the hen house. 3 eggs fell out of her basket and broke. She then found 12 more eggs. How many eggs does Addie have now?

Jim wrote these number models to help him solve this problem.

$5 + 3 = ?$
$8 + 12 = ?$

Is he correct? Explain.

_____

_____

_____

② Melissa and Ebe both solved the same problem using partial sums. Their work is shown below.

Melissa	Ebe
156	156
+ 338	+ 338
400	14
80	80
14	400
494	494

Explain why both strategies work.

_____

_____

_____