NAME DATE TIME Lesson 2-13

# Unit 2 Self Assessment

Put a check in the box that tells how you do each skill.

| Skills |  I can do this on my own and explain how to do this. |  I can do this on my own. |  I can do this if I get help or look at an example. |
|---|---|---|---|
| ① Solve extended facts. MJ1 32 | | | |
| ② Solve number stories by adding or subtracting. MJ1 35–36 38–39 | | | |
| ③ Check whether my answer makes sense. MJ1 38–39 | | | |
| ④ Solve equal-groups and array number stories. MJ1 46–58 | | | |
| ⑤ Solve division number stories. MJ1 52 | | | |
| ⑥ Solve Frames-and-Arrows problems. MJ1 57 | | | |

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# Unit 2 Assessment

Fill in the unit box. Then solve.

| Unit |
| --- |
| |

① **a.** 3 + _____ = 12

**b.** 30 + _____ = 120

**c.** 300 + _____ = 1,200

② **a.** 17 − 8 = _____

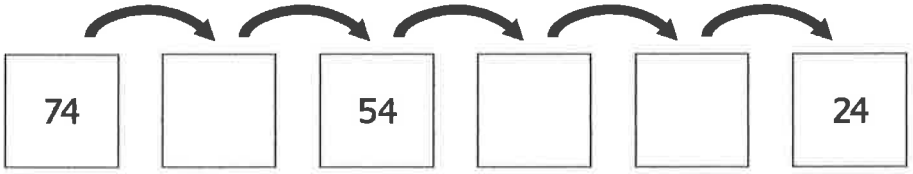
**b.** 27 − 8 = _____

**c.** 57 − 8 = _____

Fill in the missing rule or numbers.

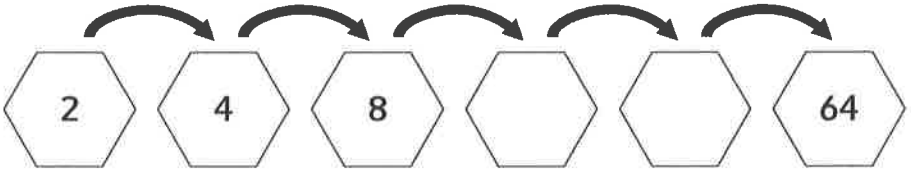
③

| Rule |
| --- |
| − 10 |




④

| Rule |
| --- |
| |



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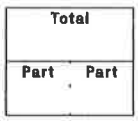
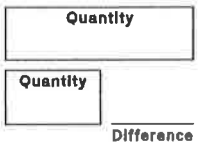
# Unit 2 Assessment (continued)

For each number story, write a number model with a ?.
Then solve the number story.
You may draw diagrams, like those below, or pictures to help.








(5) Maria swam a total of 56 minutes over the weekend. She swam for 20 minutes on Saturday. How many minutes did she swim on Sunday?

_____
(number model with ?)

Answer: _____
(unit)

How do you know your answer makes sense?

_____

_____

(6) One python clutch has 31 eggs. Another python clutch has 19 eggs. How many more eggs are in the first clutch?

_____
(number model with ?)

Answer: _____
(unit)

How do you know your answer makes sense?

_____

_____

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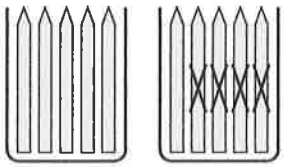
# Unit 2 Assessment (continued)

⑦ Jeremiah read the number story below. Then he drew a picture and wrote two number models to help keep track of his thinking.

Mr. Riley has 2 packs of pencils with 5 pencils in each pack.
He gives 4 of the pencils to his students.
How many pencils does he still have?



$2 \times 5 = 10$
$10 - 4 = 6$

Do Jeremiah's number models fit the number story? Explain your answer.

⑧ There are 5 giant balloons in a pack.

**a.** How many balloons are in 5 packs?
You may draw a picture to help you solve.

Circle the number model that fits the story.
$5 + 5 = ?$ $5 \times 5 = ?$

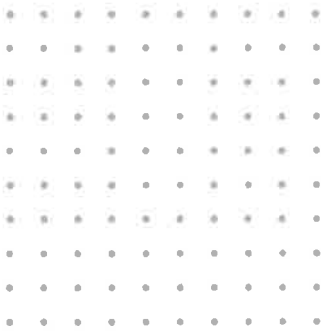
Answer: _____ (unit)

**b.** Explain how you solved Problem 8a. _____

# Unit 2 Assessment (continued)

⑨ You have 2 rows of chairs with 9 chairs in each row.
How many chairs do you have in all?

**a.** Draw an array on the dot grid to match the story.



**b.** Circle the number model that fits the story.
$2 \times 9 = ?$ $2 + 9 = ?$

There were _____ in all.
(unit)

⑩ Share 20 marbles equally among 5 friends.
Draw a picture to show how you shared the marbles.

Each friend gets _____.
(unit)

There are _____ left over.
(unit)

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# Unit 2 Challenge

① Lila says that knowing 3 + 7 = 10 helps her solve this problem on her calculator:

Enter 423. Change it to 480. How? _____

Explain how Lila might use the basic fact.

_____

_____

_____

_____

② Read the number story and circle the pair of number models that fit the story. Then solve.

Mrs. Ball equally shared 30 markers among 3 groups. Mike's group found 6 more markers. How many markers does Mike's group have now? You may draw a picture to help.

Circle the pair of number models that best fit the story.

**A** 30 ÷ 3 = 10
10 + 6 = 16

**B** 30 × 3 = 90
90 + 6 = 96

**C** 30 + 3 = 33
33 + 6 = 39

**D** 30 − 3 = 27
27 + 6 = 33

Mike's group now has _____ markers.

# Unit 2 Challenge (continued)

③ You have 18 chairs that you want to arrange in an array.

**a.** Show 3 different ways you could do this on the dot grid at the right. Write number models for each array.

Number models: _____

_____

_____

**b.** Can you make an 18-chair array with 5 rows? Explain.

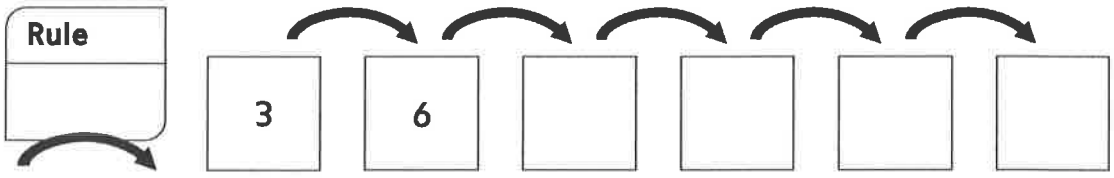
_____

_____

_____

_____

④ Harrison is making a Frames-and-Arrows problem.
His first two frames show 3 and then 6.
Write a rule that Harrison might be using. Then fill in the frames.




Write a rule that gives different numbers for the other frames.
Then fill in the frames.