

Name: \_\_\_\_\_

# In and Out Boxes: Capacity



Complete the tables below and answer the questions that follow.

gallons	1		5	
quarts		8		28

rule: multiply by 4

pints	8		32	
gallons		2		6

rule: divide by 8

- a. How many quarts are in 7 gallons? \_\_\_\_\_
- b. How many pints are in 1 gallon? \_\_\_\_\_
- c. How many gallons are in 20 quarts? \_\_\_\_\_
- d. How many gallons are in 48 pints? \_\_\_\_\_
- ★. How many quarts are in 9 gallons? \_\_\_\_\_
- ★. How many pints are in 7 gallons? \_\_\_\_\_

Use the table below to answer the questions.

quarts	1	2	4	7	?	12
pints	2	4	8	14	20	?

- e. How many quarts are in 20 pints? \_\_\_\_\_
- f. How many pints are in 12 quarts? \_\_\_\_\_
- g. On the lines below, describe the rule you can use to find the number of quarts in a given number of pints.

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# ANSWER KEY

## In and Out Boxes: Capacity



Complete the tables below and answer the questions that follow.

gallons	1	<u>2</u>	5	<u>7</u>
quarts	<u>4</u>	8	<u>20</u>	28

rule: multiply by 4

pints	8	<u>16</u>	32	<u>48</u>
gallons	<u>1</u>	2	<u>4</u>	6

rule: divide by 8

- a. How many quarts are in 7 gallons? 28
- b. How many pints are in 1 gallon? 8
- c. How many gallons are in 20 quarts? 5
- d. How many gallons are in 48 pints? 6
- ★. How many quarts are in 9 gallons? 36
- ★. How many pints are in 7 gallons? 56

Use the table below to answer the questions.

quarts	1	2	4	7	?	12
pints	2	4	8	14	20	?

- e. How many quarts are in 20 pints? 10
- f. How many pints are in 12 quarts? 24
- g. On the lines below, describe the rule you can use to find the number of quarts in a given number of pints.

To find the number of pints, multiply the quarts by two.