



Patterns and Input/Output Tables

Name: _____

Date: _____

Grade: Grade 4

Part A: Fill in the Blank

Write the missing word or number on each line.

1. If 1 dog has 4 legs in a Grade 4 table, then 2 dogs have _____ legs.
2. Using the Grade 4 rule input times 4 for dog legs, 5 dogs have _____ legs.
3. If 1 car has 4 wheels, then 6 cars have _____ wheels in this Grade 4 table.
4. If 1 spider has 8 legs, then 3 spiders have _____ legs in the Grade 4 table.
5. If 1 bag holds 6 apples, then 4 bags hold _____ apples in this Grade 4 table.
6. If a Grade 4 rule says output equals input plus 7, the output for input 3 is _____.
7. Using the Grade 4 rule input times 5 for fingers on hands, 4 hands have _____ fingers.
8. If the Grade 4 rule is output equals input minus 4 and the input is 12, the output is _____.
9. If 1 box holds 12 crayons, then 5 boxes hold _____ crayons in this Grade 4 table.

Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

Grade 4 dog legs: input is 3 dogs	→ _____	output is 12 legs
Grade 4 car wheels: input is 5 cars	→ _____	output is 20 wheels
Grade 4 rule input plus 9: input is 7	→ _____	output is 16
Grade 4 rule input times 6: input is 4	→ _____	output is 24

Answer Key · Patterns and Input/Output Tables · Grade: Grade 4

Part A: Fill in the Blank

Write the missing word or number on each line.

1. If 1 dog has 4 legs in a Grade 4 table, then 2 dogs have 8 legs.
2. Using the Grade 4 rule input times 4 for dog legs, 5 dogs have 20 legs.
3. If 1 car has 4 wheels, then 6 cars have 24 wheels in this Grade 4 table.
4. If 1 spider has 8 legs, then 3 spiders have 24 legs in the Grade 4 table.
5. If 1 bag holds 6 apples, then 4 bags hold 24 apples in this Grade 4 table.
6. If a Grade 4 rule says output equals input plus 7, the output for input 3 is 10.
7. Using the Grade 4 rule input times 5 for fingers on hands, 4 hands have 20 fingers.
8. If the Grade 4 rule is output equals input minus 4 and the input is 12, the output is 8.
9. If 1 box holds 12 crayons, then 5 boxes hold 60 crayons in this Grade 4 table.

Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

Grade 4 dog legs: input is 3 dogs	→ <u>output is 12 legs</u>	output is 12 legs
Grade 4 car wheels: input is 5 cars	→ <u>output is 20 wheels</u>	output is 20 wheels
Grade 4 rule input plus 9: input is 7	→ <u>output is 16</u>	output is 16
Grade 4 rule input times 6: input is 4	→ <u>output is 24</u>	output is 24