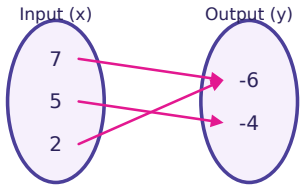
Task card 1 Finding Domain & Range

Find the range of the relation {(6, -9), (4, -1), (0, 2), (8, -7), (-4, -1)}.

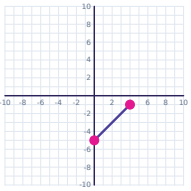
Task card 2 Finding Domain & Range

The mapping diagram shows a function. What is its domain?



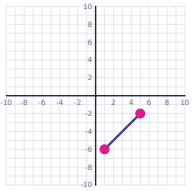
Task card 3 Finding Domain & Range

Write the domain of the function graphed below as an inequality.



Task card 4 Finding Domain & Range

Write the range of the function graphed below as an inequality.



Task card 5 Finding Domain & Range

Find the domain of $f(x) = \sqrt{(x - 7)}$.

Task card 6 Finding Domain & Range

Which x-value is not in the domain of $f(x) = \frac{8}{x + 9}$?

Task card 7 Finding Domain & Range

$f(x) = 4x + 4$ for $-2 \leq x \leq 3$. Find the range.

Task card 8 Finding Domain & Range

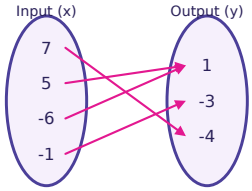
Find the range of $f(x) = \sqrt{(x - 5)} + 5$.

Task card 9 Finding Domain & Range

Find the range of the relation {(3, -8), (-6, -1), (7, 3), (-9, 8), (-8, -1)}.

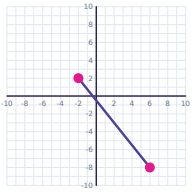
Task card 10 Finding Domain & Range

The mapping diagram shows a function. What is its domain?



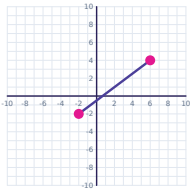
Task card 11 Finding Domain & Range

Write the domain of the function graphed below as an inequality.



Task card 12 Finding Domain & Range

Write the range of the function graphed below as an inequality.



Task card 13 Finding Domain & Range

Find the domain of $f(x) = \sqrt{(x + 7)}$.

Task card 14 Finding Domain & Range

Which x-value is not in the domain of $f(x) = \frac{4}{x + 3}$?

Task card 15 Finding Domain & Range

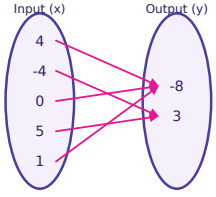
$f(x) = 2x - 2$ for $-5 \leq x \leq 1$. Find the range.

Task card 16 Finding Domain & Range

Find the range of $f(x) = \sqrt{(x - 1)} - 7$.

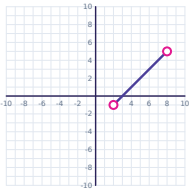
Task card 17 Finding Domain & Range

The mapping diagram shows a function. What is its range?



Task card 18 Finding Domain & Range

Write the range of the function graphed below as an inequality.



Task card 19 Finding Domain & Range

$f(x) = x - 4$ for $-4 \leq x \leq -1$. Find the range.

Task card 20 Finding Domain & Range

Find the domain of $f(x) = \sqrt{(5 - x)}$.

Task card 21 Finding Domain & Range

Which x-value is not in the domain of $f(x) = \frac{1}{2x - 8}$?

Task card 22 Finding Domain & Range

Find the range of $f(x) = -\sqrt{(x + 4)} - 4$.

Task card 23 Finding Domain & Range

Find the range of $f(x) = x^2 + 4$.

Task card 24 Finding Domain & Range

Find the domain of the relation {(-5, 5), (-7, 3), (1, 5), (5, -4), (7, -6)}.

Finding Domain & Range Task Cards

Recording sheet · Grade 9 · Write a domain or range from a list as its numbers from least to greatest, separated by commas, like -2, 0, 5 (each number once). Write an interval with inequalities, like $x \geq 3$, $y \leq 4$ or $-2 \leq x < 5$ (x for a domain, y for a range). If a question asks which x-value is left out of the domain, write just that number.

Scan to check your answers

Name: _____ Date: _____

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Finding Domain & Range Task Cards: Answer Key

Grade 9 · Medium

The answers online

1. -9, -7, -1, 2	**2.** 2, 5, 7	**3.** $0 \leq x \leq 4$
4. $-6 \leq y \leq -2$	**5.** $x \geq 7$	**6.** -9
7. $-4 \leq y \leq 16$	**8.** $y \geq 5$	**9.** -8, -1, 3, 8
10. -6, -1, 5, 7	**11.** $-2 \leq x \leq 6$	**12.** $-2 \leq y \leq 4$
13. $x \geq -7$	**14.** -3	**15.** $-12 \leq y \leq 0$
16. $y \geq -7$	**17.** -8, 3	**18.** $-1 < y < 5$
19. $-8 \leq y \leq -5$	**20.** $x \leq 5$	**21.** 4
22. $y \leq -4$	**23.** $y \geq 4$	**24.** -7, -5, 1, 5, 7