

SET THEORY

Distinguishing whether sets are empty, finite or infinite.

Instructions: Drag and drop the given sets under the correct heading. When you are finish, click submit at the bottom of the quiz.

<u>Empty Set</u>	<u>Finite Set</u>	<u>Infinite Set</u>
<u>1.</u>	<u>1.</u>	<u>1.</u>
<u>2.</u>	<u>2.</u>	<u>2.</u>
<u>3.</u>	<u>3.</u>	<u>3.</u>
<u>4.</u>	<u>4.</u>	<u>4.</u>
<u>5.</u>	<u>5.</u>	<u>5.</u>

$\{a,b,c,...,z\}$

$\{\text{Integers}\}$

$\{\text{Primary Colours}\}$

$\{x: x > -1\}$

$\{\}$

$\{x: x + 3 = 8\}$

$\{9,10,11,...\}$

$\{\text{pigs that fly}\}$

$\{\text{whole numbers } x: x < 0\}$

$\{\text{real numbers}\}$

$\{x: -3 < x < 5\}$

$\{x: x < 7, x \in \mathbb{N}\}$