

amAZing numbers

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Billions

For grades 5-6; Groups of 2-4

Materials Needed:

The Amazing Numbers game board

A game piece for each player (cut from bottom of page)

1 die

How to Construct:

1. Tape the board to the inside of a file folder, so that both pages face up, and the top of the board is above the bottom of the board. Put the pages very close to the center of the folder, but allow a little space for the folder to bend.

2. Cut out the game pieces.

3. Laminate the folder and game pieces.

How to Play:

1. Place your marker on the start square. In turn, roll one die, and move that number of spaces. To be able to stay on the square you land on, you must correctly read the number. If you cannot read it, you must move back to the space you were previously on.

2. The path is a maze. You may not cross over any dark lines. They are the walls of the maze. If you get stuck where you cannot move forward, you must go backward to find a different path. The first player to reach the finish wins.

Questions for Teachers to Ask During Play to Guide Learning

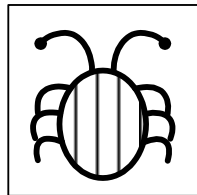
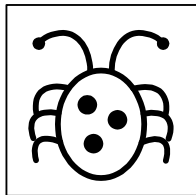
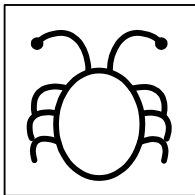
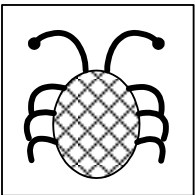
1. How is that number read?

2. What number is in the one's place? Ten's place? Hundred's place? Thousand's place? Ten thousand's place? Hundred thousand's place? Million's place? Ten million's place? Hundred million's place? Billion's place?

3. What number is (choose a number) greater/less than that number?

4. How would the number be different if the number in one place value was changed?

Game Pieces



FINISH

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3,632,259,522	2,636,496,382	6,369,368,934	7,374,683,267	4,522,167,279	9,006,000,003	5,948,159,392	9,213,697,349
8,391,592,025	3,393,839,449	5,632,360,638	8,579,683,603	5,797,007,007	4,645,638,700	9,537,876,543	3,846,357,831
1,523,597,508	3,737,774,284	9,502,593,639	8,534,296,302	4,201,234,567	4,252,692,356	2,524,196,243	1,143,621,467
8,297,396,266	6,384,930,387	4,292,907,396	1,597,429,005	8,293,397,369	7,298,290,693	7,284,595,670	8,622,375,587
8,002,220,593	4,298,343,582	3,582,793,684	4,291,064,075	2,564,693,825	5,306,306,448	7,292,627,743	2,345,295,306

3,608,403,686	2,636,293,593	6,363,694,794	7,164,296,875	1,597,287,530	2,618,938,612	9,252,696,402	8,159,029,286
9,246,858,492	6,239,496,761	8,317,819,653	7,773,721,774	2,571,692,794	9,456,287,841	3,514,000,285	6,283,846,258
2,117,368,862	2,598,462,643	5,252,130,358	9,146,747,266	7,193,267,748	3,419,477,903	9,005,218,231	4,297,367,008
2,316,945,664	4,635,365,300	7,192,573,853	8,413,333,333	8,006,000,854	6,251,936,262	8,527,367,899	3,592,663,327
5,299,758,436	1,495,876,321	8,291,001,286	3,219,362,738	1,234,683,377	7,396,925,254	4,172,702,733	5,215,205,693

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START