

Bewitched by Circles



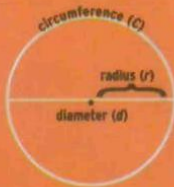
AnnaSophia Robb and Alexander Ludwig are out of this world! Maybe that's why these two teens were picked to play sibling aliens Sara and Seth in the new movie *Race to Witch Mountain*. What are AnnaSophia and Alexander like in real life? Don't run around in circles trying to find out! Instead, solve some *circumference* questions to learn more about the star duo.

—by Libby Golden

WHAT TO DO

In each problem, find the specified circumference, diameter, or radius, and circle it. The phrase next to the correct answer completes a fact about AnnaSophia or Alexander.

One Way to Do It CIRCUMFERENCE



Circumference is the distance around a circle. To find the circumference (C), use one of these formulas:

$$C = \pi d \text{ or } C = 2\pi r$$

Use 3.14 for π .

Example: If $r = 3$ feet, $C = ?$

$$C = 2 \times 3.14 \times 3 \text{ ft}$$

$$C = 18.84 \text{ ft}$$

A $d = 10$ ft; $r = ?$ AnnaSophia's favorite scene to film involved a lot of wacky aliens in a convention center. Alexander's favorite was... **31.4 ft** traveling around the Las Vegas desert. **5 ft** being chased through an underground lab.

B $r = 4$ in.; $C = ?$ In the movie, AnnaSophia and Alexander are aliens with superpowers. Seth can control the molecular density of his body: He can stand in front of a speeding SUV and not get hurt! Sara is... **25.12 in.** telepathic—she can read people's minds. **12.56 in.** able to fly through outer space.

C $d = 5$ cm; $C = ?$ If AnnaSophia weren't an actress, she'd like to be a psychologist. Alexander would like to be a... **15.7 cm** rock star. **10 cm** lawyer.

D $C = 21.98$ miles; $d = ?$ Alexander's favorite books are the Harry Potter series. AnnaSophia's favorites are... **3.5 miles** the Twilight series. **7 miles** also the Harry Potter series!

E $r = 12$ yd; $C = ?$ AnnaSophia's favorite actress is Meryl Streep. Alexander's favorite actors are... **37.46 yd** Shia LaBeouf and Will Smith. **75.36 yd** Leonardo DiCaprio and Johnny Depp.

F $C = 120.89$ km; $r = ?$ When Alexander gave an important speech in front of his school, he tripped and fell down the stairs in front of everyone! AnnaSophia's most embarrassing moment was... **19.25 km** getting practically run over by the football team in the hall the first week of school! **38.5 km** spilling spaghetti sauce all over herself in the cafeteria!

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