*Cars (2006 film) trivia is from imdb.com; all characters and quotes belong to Disney/Pixar.*

(“NOTA” means “none of these answers.”)

1) *Lightening McQueen: Here we go. Focus. Speed.*

If Lightening McQueen’s speed is y, where, then what is a value of y?

**A) 5 B) 7 C) 12 D) 25 E) NOTA**

2) *Lightening McQueen’s number was to be 57, director John Lasseter’s birth year. It was later changed to 95 to represent the year that Toy Story was released.*

How many numbers are common factors of and ?

**A) 0 B) 1 C) 2 D) 3 E) NOTA**

3) *This is Lightening McQueen’s first year in the racing circuit and his performance has been nothing short of incredible.*

Pretend McQueen’s racing circuit is a straight line. Ifof the track is 20m long, then how long is the total track in meters?

**A) B) C) D) E) NOTA**

4) *Dusty: …he doesn’t have headlights? Rusty: That’s what I’m tellin’ ya- it’s just stickers! Lightening McQueen: Well, you know, race cars don’t need headlights…*

If a rectangular headlight sticker has a perimeter ofcm, then what is its maximum area in centimeters squared?

**A) 31 B) 64 C) 256 D) 1024 E) NOTA**

5) *The King: Hey buddy, you’re one gutsy racer… But you’re stupid.*

McQueen was arrogant ondays last season, and ondays this season. What is the total number of days in which McQueen arrogant during these seasons?

**A) B) C) D) E) NOTA**

6) *Clumsily running from the Sheriff, Lightening McQueen destroys Radiator Springs, a small town along Route 66.*

What is the greatest prime factor of?

**A) 1 B) 2 C) 3 D) 66 E) NOTA**

7) *Doc: All right, I wanna know who’s responsible for wrecking my town, Sheriff.*

I want to know, which of the following numbers is not an integer?

**A) -2 B) -1 C) 0 D) 1 E) NOTA**

8) McQueen must repair his damage to the road in Radiator Springs. On a coordinate plane, the road is one straight line that starts at and ends at. How many units long is the road?

**A) 17 B) 23 C) 49 D) 120 E) NOTA**

9) *McQueen meets many cars in Radiator Springs, including Sarge, a 1941 Willys model jeep, who was designed after a style used by the US Military.*

How many prime numbers are both greater than and less than?

**A) 1 B) 2 C) 3 D) 4 E) NOTA**

10) *Fillmore is a late-1960s Volkswagen Type 2, very popular among hippies.*

How many positive factors of are also composite numbers?

**A) 4 B) 8 C) 9 D) 10 E) NOTA**

11) *Sarge: Will you turn that disrespectful junk OFF? Fillmore: Respect the classics, man! It’s Hendrix!*

If the sundial at Jimi Hendrix’s gravesite is a circle with surface area feet, what is its diameter in feet?

**A) 2 B) 4 C) 16 D) 32 E) NOTA**

12) *Fillmore: How about some organic fuel? Sarge: That freak juice?*

A smooth, spherical droplet of organic fuel has radius. What is its surface area?

**A) B) C) D) E) NOTA**

13) *Fillmore: I’m tellin’ you, man. Every third blink is slower [by half a second].*

Roundto the hundredths decimal place.

**A) 0.42 B) 0.43 C) 0.44 D) 0.45 E) NOTA**

14) *Flo shares elements of three show cars- the 1951 Buick LeSabre, the 1951 Buick*

*XP-300, and the 1957 Chrysler Dart.*

Simplify the expression:

**A) -2 B) C) 651 D) 1303 E) NOTA**

15) *Luigi’s license plate reads 445-108, the latitude and longitude for the main Ferrari factory in Modena, Italy.*

The rectangular license plate ism long andm wide. What is the difference in length of these two sides, in meters?

**A) 0.03032 B) 0.03048 C) 0.156304**

**D) 0.31028 E) NOTA**

16) *[Luigi and Guido frown at McQueen] Luigi: Luigi only follow Ferraris.*

Luigi dreams of Ferraris inof his dreams. Which percentage is closest to?

**A) 60% B) 70% C) 80% D) 90% E) 100%**

17) *[tractors stampede the town]* *Sheriff: MATER! Mater: I wasn’t tractor-tippin’!*

If Mater actually tippedtractors, where, what is the value of?

**A) 1 B) 3 C) 36 D) 96 E) NOTA**

18) *The crowd scene at Piston Cup showdown at the end of the movie features 105,000 separately animated cars, including 13,000 cars entering the stadium.*

How many terms are in the expression?

**A) 0 B) 2 C) 3 D) 4 E) 5**

19) *The Piston Cup is a reference to the famous NASCAR award, The Winston Cup.*

What is the th letter in THEWINSTONCUP ?

**A) W B) E C) N D) T E) NOTA**

**Use this information for problems 20-22.**

*Wide Chick Pitty: Hey, shrimpie… Those round things are called tires, and they go under the car! Guido: [shaking his forklift] Ma, con chi stai parlando?!?*

Wide Chick Pitty can change tires in seconds, where.

Guido can changetires in seconds, where.

20) Whenis a square number between and, what is the value of?

**A) 7 B) 49 C) 74 D) 117,644 E) NOTA**

21) The graph oflooks like:

**A) a line B) a rectangle C) a square D) two points E) NOTA**

22) When, what is true aboutand?

**A) B) C) D) E) NOTA**

23) *Chick, in a desperate attempt to win, sideswipes The King, causing the famous racer to smash up in a terrible wreck.*

Immediately, Chick loses fans. How many fans does he lose at this moment?

**A) 21,000 B) 24,000 C) 27,000 D) 30,000**

**E) NOTA**

24) *Seeing King crash, McQueen lets Chick win, and helps The King finish the race with dignity.*

The path that McQueen takes to push The King across the finish line can be modeled by . When, what is the value of?

**A) -2 B) 0 C) 2 D) 6 E) NOTA**

25) *Chick Hicks is given the Piston Cup, but he is jeered and taunted by the crowd for his actions.*

If of the crowd only jeers, and of the crowd only taunts, and the rest both jeer and taunt, then what fraction of the crowd both jeer and taunt?

**A) B) C) D) E) NOTA**

26) *In 2006, Cars became the 7th Disney/Pixar feature film, and the final film by Pixar before it was bought by Disney.*

What is ?

**A) -2013 B) -1999 C) 1999 D) 2013 E) NOTA**

27) *Cars is set in a world populated entirely by anthropomorphic cars and other vehicles; these were non-living objects that were given human characteristics.*

Count the number of vowels in “anthropomorphic.” Add to that number, and then take the cube root of the sum. What is the result?

**A) 2 B) 8 C) 27 D) 512 E) NOTA**

28) *Cars was the first Pixar film to use ray tracing, a technique that generates light paths in order for the animated cars to credibly reflect their environments.*

How many ways can the letters in “LIGHT” be arranged?

**A) 5 B) 9 C) 15 D) 120 E) NOTA**

29) *Cars merchandise broke records for toys based on a Disney/Pixar film, with an estimated $1 billion in sales.*

Which of these answers is equal to 1 billion ?

**A) B) C) D) E) NOTA**

30) Computers used to develop *Cars* were 4 times faster than those used in *The Incredibles*. Computers used to develop *The Incredibles* were 1,000 times faster than those used for *Toy Story*. How many times slower were the computers used for *Toy Story* than for *Cars*?

**A) B) C) D) E) NOTA**