

2A-1

A.

1. un libro / la clase de español
2. una calculadora / la clase de matemáticas
3. un libro / la clase de inglés
4. una computadora / la clase de tecnología
5. un diccionario / la clase de español
6. una carpeta de apuntes / la clase de ciencias sociales

B.

1. inglés
2. arte
3. diccionario
4. lápiz
5. calculadora
6. tecnología
7. libro
8. español
9. matemáticas
10. tarea

2A-2

Order of answers may vary.

1. Tengo la clase de matemáticas en la segunda hora.
2. Tengo la clase de arte en la tercera hora.
3. Tengo la clase de ciencias sociales en la cuarta hora.
4. Tengo el almuerzo en la quinta hora.
5. Tengo la clase de tecnología en la sexta hora.
6. Tengo la clase de español en la séptima hora.
7. Tengo la clase de educación física en la octava hora.
8. Tengo la clase de ciencias naturales en la novena hora.

2A-3

Answers will vary. All adjectives should be in feminine form.

1. es práctica
2. es fácil y muy divertida
3. es difícil
4. es interesante
5. es aburrida
6. no es fácil
7. no es muy difícil
8. es mi clase favorita

2A-4

1. tengo un libro
2. no necesito una calculadora
3. no tengo una carpeta de apuntes para la clase de matemáticas
4. necesito un diccionario para la clase de español
5. no tengo el cuaderno para la clase de arte
6. tengo un lápiz
7. no necesito el horario
8. tengo un bolígrafo

2A-5

A.

1. él
2. ellas
3. nosotros (nosotras)
4. vosotros (vosotras) / Uds.
5. él
6. ellos
7. ella
8. ellos
9. ellos

B.

1. usted (Ud.)
2. ustedes (Uds.)
3. Uds.
4. tú
5. Ud.
6. tú
7. Ud.

2A-6

A.

- Row 1: _____, hablas, habla, hablamos, _____, _____
- Row 2: estudio, estudias, estudia, _____, _____, estudian
- Row 3: enseño, _____, enseña, enseñamos, _____, enseñan
- Row 4: uso, usas, usa, usamos, _____, usan
- Row 5: necesito, necesitas, _____, necesitamos, _____, necesitan

B.

1. estudio
2. bailo
3. hablamos
4. usan
5. necesita
6. montas
7. dibujan

8. patinamos
9. enseña
10. necesitan
11. camina
12. bailamos
13. cantan

2A-7

A.

1. tú cantas
2. yo hablo por teléfono
3. él patina
4. Ud. dibuja
5. ella practica deportes

B.

1. nosotros (nosotras) cantamos
2. Uds. usan la computadora
3. ellos montan en bicicleta
4. nosotros (nosotras) hablamos por teléfono
5. ellos tocan la guitarra
6. ellos bailan

Crucigrama (2A-8)

Across:

- | | |
|-----------|---------------|
| 2. fácil | 14. aburrida |
| 4. clase | 15. naturales |
| 5. tarea | 16. séptimo |
| 8. física | 17. inglés |
| 12. arte | 18. enseña |

Down:

- | | |
|----------------|-----------------|
| 1. computadora | 9. horario |
| 3. ciencias | 10. quinta |
| 6. almuerzo | 11. matemáticas |
| 7. apuntes | 13. tercero |

Organizer (2A-9)

I. Vocabulary: Answers will vary.

II Grammar

- | | |
|---|----------|
| 1. yo, tú, él, ella, usted, nosotros (-as), vosotros (-as), ustedes, ellos, ellas | |
| 2. Ud. (usted) / tú | |
| 3. -o, -as, -a, -amos, -áis, -an | |
| col. 1. | col. 2. |
| hablo | hablamos |
| hablas | habláis |
| habla | hablan |

Realidades 2 Practice Workbook Answers 1a 3

J Ma



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web the rotational motion of the pinion gear causes the rack to move transversally which in turn pushes the tie rod and the tie rod helps the wheels to turn by pushing the steering arm ackerman condition ackerman condition for a two wheeled steering is expressed as here track width distance between left and right knuckles

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web design dimensions of rack and pinion rack travel 5 rack shaft length 16 66 module 1 75 teeth on pinion 31 teeth on rack 32 mechanism which consists following parts rack

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web rack and pinion calculator the following online calculator computes the basic dimensions and tooth profiles of a meshing rack and pinion based on the pinion s module number of teeth pressure angle usually 20 and profile shift the rack s teeth are trapezoidal while the pinion has an involute tooth profile

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web 1 introduction the function of the steering system is to provide directional control to the vehicle for this a gearbox is used which converts rotational motion of steering wheel into translational motion of tie rod which in turn rotates the tires

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web jul 15 2018 to calculate the amount of travel that the pinion will have across the rack you need to look at the pinion gear as a circle the line of action on the pinion is the pitch diameter so the circumference at this point is the distance that the

pinion will travel in one revolution the formula for circumference is

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web the rack pinion block represents rack and pinion gear that converts between translational and rotational motion the rotational translational gear constrains the pinion p and rack r to respectively rotate and translate

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web jan 2 2019 to determine the maximum rotational speed of the pinion simply divide the maximum linear speed of the application by the pinion circumference π diameter convert from millimeters to meters and convert from seconds linear speed m/s or ft/s to minutes rotational speed rpm n_p maximum rotational speed of pinion rpm

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web calculation examples the following are calculations for center distance a and tip and root clearance c when module m 2 pinion z_1 20 gear z_2 40 reference diameter of pinion d_1 20 2 40 reference diameter of gear d_2 40 2 80 center distance a 40 80 2 60 c 0 25 2 0 5

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web soham de zorif in rack and pinion first u need to know the load to choose the module type ie module 1 1 5 etc higher the module more distance u will travel for one rotation of pinion and lower

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web dec 17 2021 what is the optimum distance between a rack and centerline of a pinion in the image below i have two racks opposite each other and the teeth surfaces are tangent to the faces the center pinion is a 20 tooth 2 module gear

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web aug 7 2017 calculating the rack and pinion gear ration involves determining the amount of revolutions achieved by the pinion to produce the distance of the rack and is commonly used in vehicle and other types of engines and mechanical devices to calculate speed and power capacity

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web we can calculate the accuracy of various low backlash gearboxes racks pinions and complete systems from 250 mm up to 90 meters and more from module 1 to 12 rack quality 4 to 10 straight or helical teeth and so on accuracy is the starting point of the total drive which is why we can provide the calculation and accuracy sheet for your

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web the minimum number of teeth required on pinion in order to avoid the interference were computed using following relation $z_2 \geq \frac{1}{\sin^2 \phi} \left(\frac{1}{\cos \phi} - 1 \right)$ substituting values in above equation minimum number of teeth on pinion are 18 standard gear ratio for rack and pinion 1 5 therefore no of teeth on rack 18 1 5 27 3 3 selection of

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web aug 10 2022 figure 1 a simplified rack and pinion steering system rack and pinion steering is a simple system that directly converts the rotation of the steering wheel to straight line movement at the wheels the steering gear consists of the rack pinion and related housings and support bearings turning the steering wheel causes the pinion to rotate

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