

1. Odometer is to mileage as compass is to

A. speed

B. hiking

C. needle

D. direction

**Answer & Explanation**

**Answer:** Option **D**

**Explanation:**

An odometer is an instrument used to measure mileage. A compass is an instrument used to determine direction. Choices a, b, and c are incorrect because none is an instrument.

2. Marathon is to race as hibernation is to

A. winter

B. bear

C. dream

D. sleep

**Answer & Explanation**

**Answer:** Option **D**

**Explanation:**

A marathon is a long race and hibernation is a lengthy period of sleep. The answer is not choice a or b because even though a bear and winter are related to hibernation, neither completes the analogy. (Choice c) is incorrect because sleep and dream are not synonymous.

3. Window is to pane as book is to

A. novel

B. glass

C. cover

D. page

**Answer & Explanation**

**Answer:** Option **D**

**Explanation:**

A window is made up of panes, and a book is made up of pages. The answer is not (choice a) because a novel is a type of book. The answer is not (choice b) because glass has no relationship to a book. (Choice c) is incorrect because a cover is only one part of a book; a book is not made up of covers.

4. Cup is to coffee as bowl is to



**Answer:** Option **A**

**Explanation:**

An optimist is a person whose outlook is cheerful. A pessimist is a person whose outlook is gloomy. The answer is not (choice b) because a pessimist does not have to be mean. (Choices c) and d are incorrect because neither adjective describes the outlook of a pessimist.

8. Reptile is to lizard as flower is to

**A.** petal

**B.** stem

**C.** daisy

**D.** alligator

**Answer & Explanation**

**Answer:** Option **C**

**Explanation:**

A lizard is a type of reptile; a daisy is a type of flower. Choices a and b are incorrect because a petal and a stem are parts of a flower, not types of flowers. (Choice d) is incorrect because an alligator is another type of reptile, not a type of flower.

9. Play is to actor as concert is to

**A.** symphony

**B.** musician

**C.** piano

**D.** percussion

**Answer & Explanation**

**Answer:** Option **B**

**Explanation:**

An actor performs in a play. A musician performs at a concert. Choices a, c, and d are incorrect because none is people who perform.

10. Sponge is to porous as rubber is to

**A.** massive

**B.** solid

**C.** elastic

**D.** inflexible

**Answer & Explanation**

**Answer:** Option **C**

**Explanation:**

A sponge is a porous material. Rubber is an elastic material. (Choice a) is incorrect because rubber would not generally be referred to as massive. The answer is not (choice b) because even though rubber is a solid, its most noticeable characteristic is its elasticity. Choice d is incorrect because rubber has flexibility.

11. Careful is to cautious as boastful is to

**A.** arrogant

**B.** humble

**C.** joyful

**D.** suspicious

**Answer & Explanation**

**Answer:** Option **A**

**Explanation:**

Careful and cautious are synonyms (they mean the same thing). Boastful and arrogant are also synonyms. The answer is not (choice b) because humble means the opposite of boastful. The answer is not choice c or d because neither means the same as boastful.

12. Pen is to poet as needle is to

**A.** thread

**B.** button

**C.** sewing

**D.** tailor

**Answer & Explanation**

**Answer:** Option **D**

**Explanation:**

A pen is a tool used by a poet. A needle is a tool used by a tailor. The answer is not choice a, b, or c because none is a person and therefore cannot complete the analogy.

13. Secretly is to openly as silently is to

**A.** scarcely

**B.** impolitely

**C.** noisily

**D.** quietly

**Answer & Explanation**

**Answer:** Option **C**

**Explanation:**

Secretly is the opposite of openly, and silently is the opposite of noisily. Choices a and b are

clearly not the opposites of silently. (Choice d) means the same thing as silently.

14. Embarrassed is to humiliated as frightened is to

**A.** terrified

**B.** agitated

**C.** courageous

**D.** reckless

**Answer & Explanation**

**Answer:** Option **A**

**Explanation:**

If someone has been humiliated, they have been greatly embarrassed. If someone is terrified, they are extremely frightened. The answer is not choice b because an agitated person is not necessarily frightened. Choices c and d are incorrect because neither word expresses a state of being frightened.

15. Pride is to lion as shoal is to

**A.** teacher

**B.** student

**C.** self-respect

**D.** fish

**Answer & Explanation**

**Answer:** Option **D**

**Explanation:**

A group of lions is called a pride. A group of fish swim in a shoal. Teacher (choice a) and student (choice b) refer to another meaning of the word school. The answer is not (choice c) because self-respect has no obvious relationship to this particular meaning of school.

16. Artist is to painting as senator is to

**A.** attorney

**B.** law

**C.** politician

**D.** constituents

**Answer & Explanation**

**Answer:** Option **B**

**Explanation:**

An artist makes paintings; a senator makes laws. The answer is not choice a because an attorney does not make laws and a senator is not an attorney. Choice c is incorrect because a senator is not a politician. Constituents (choice d) is also incorrect because a senator serves his or her constituents.

17. Exercise is to gym as eating is to

**A.** food

**B.** dieting

**C.** fitness

**D.** restaurant

**Answer & Explanation**

**Answer:** Option **D**

**Explanation:**

A gym is a place where people exercise. A restaurant is a place where people eat. Food (choice a) is not the answer because it is something people eat, not a place or location where they eat. The answer is not choice b or c because neither represents a place where people eat.

18. Candid is to indirect as honest is to

**A.** frank

**B.** wicked

**C.** truthful

**D.** untruthful

**Answer & Explanation**

**Answer:** Option **D**

**Explanation:**

Candid and indirect refer to opposing traits. Honest and untruthful refer to opposing traits. The answer is not choice a because frank means the same thing as candid. Wicked (choice b) is incorrect because even though it refers to a negative trait, it does not mean the opposite of honest. (Choice c) is incorrect because truthful and honest mean the same thing.

19. Guide is to direct as reduce is to

**A.** decrease

**B.** maintain

**C.** increase

**D.** preserve

**Answer & Explanation**

**Answer:** Option **A**

**Explanation:**

Guide and direct are synonyms, and reduce and decrease are synonyms. The answer is not choice b or d because neither means the same as reduce. (Choice c) is incorrect because increase is the opposite of reduce.

20. Oar is to rowboat as foot is to

**A.** running

**B.** sneaker

**C.** skateboard

**D.** jumping

**Answer & Explanation**

**Answer:** Option **C**

**Explanation:**

An oar puts a rowboat into motion. A foot puts a skateboard into motion. The answer is not choice a because running is not an object that is put into motion by a foot. Sneaker (choice b) is incorrect because it is something worn on a foot. Jumping (choice d) is incorrect because although you do need feet to jump, jumping is not an object that is put into motion by means of a foot.

SECTION-2

1.



**A.** 1

**B.** 2

**C.** 3

**D.** 4

**Answer & Explanation**

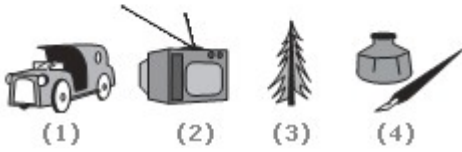
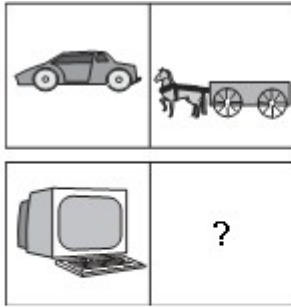
**Answer:** Option **A**

**Explanation:**

Hand is to ring as head is to cap. A ring is worn on a person's hand; a cap is worn on a

person's head.

2.



A. 1

B. 2

C. 3

D. 4

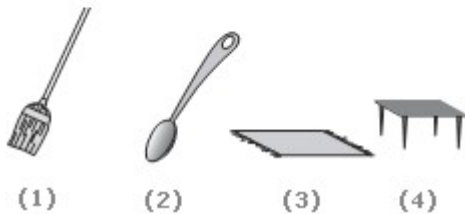
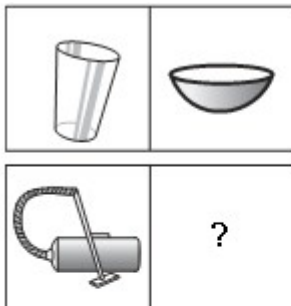
**Answer & Explanation**

**Answer:** Option **D**

**Explanation:**

Car is to horse and buggy as computer is to pen and ink. This relationship shows the difference between modern times and times past.

3.



A. 1

B. 2

C. 3

D. 4



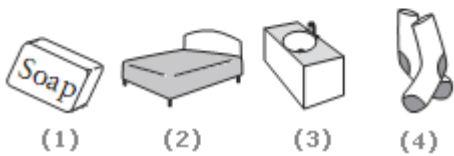
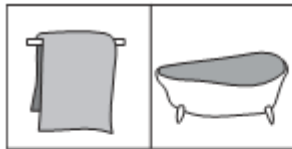
### Answer & Explanation

**Answer:** Option **A**

#### Explanation:

Cup is to bowl as vacuum cleaner is to broom. This is another relationship about function. The cup and bowl are both used for eating. The vacuum cleaner and broom are both used for cleaning.

4.



**A.** 1

**B.** 2

**C.** 3

**D.** 4

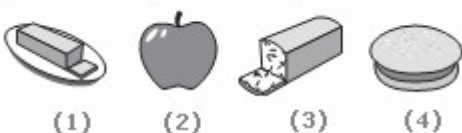
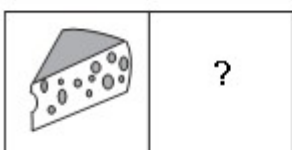
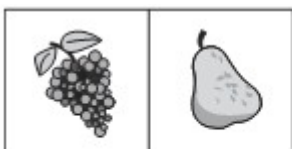
### Answer & Explanation

**Answer:** Option **B**

#### Explanation:

Towel is to bathtub as chest of drawers is to bed. The towel and bathtub are both found in a bathroom; the chest and the bed are both found in a bedroom.

5.



**A.** 1

**B.** 2

**C.** 3

**D.** 4

**Answer & Explanation**

**Answer:** Option **A**

**Explanation:**

Grapes are to a pear as cheese is to butter. This relationship shows the grouping or category to which something belongs. Grapes and pears are fruit; cheese and butter are both dairy products.

1.



(1)



(2)



(3)



(4)

**A.** 1

**B.** 2

**C.** 3

**D.** 4

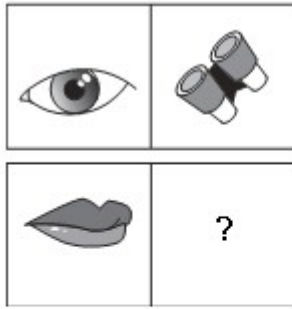
**Answer & Explanation**

**Answer:** Option **B**

**Explanation:**

A T-shirt is to a pair of shoes as a chest of drawers is to a couch. The relationship shows to which group something belongs. The T-shirt and shoes are both articles of clothing; the chest and couch are both pieces of furniture.

2.



A. 1

B. 2

C. 3

D. 4

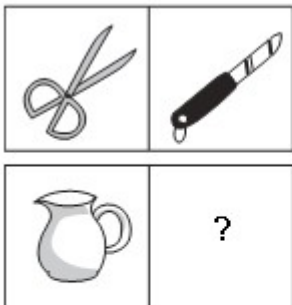
**Answer & Explanation**

**Answer:** Option B

**Explanation:**

An eye is to a pair of binoculars as a mouth is to a microphone. This relationship shows magnification. The binoculars help one see farther. The microphone helps one speak louder.

3.



A. 1

B. 2

C. 3

D. 4

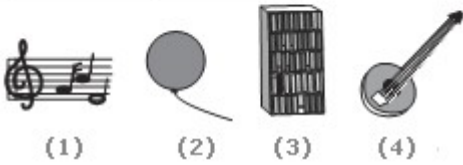
**Answer & Explanation**

**Answer:** Option C

**Explanation:**

Scissors is to knife as pitcher is to watering can. This relationship is about function. The scissors and knife are both used for cutting. The pitcher and watering can are both used for watering.

4.



A. 1

B. 2

C. 3

D. 4

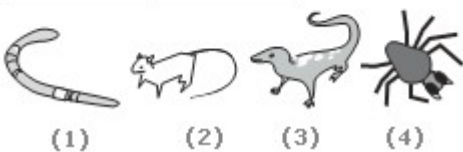
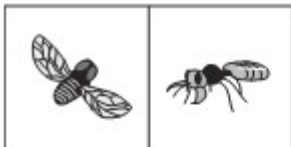
**Answer & Explanation**

**Answer:** Option D

**Explanation:**

Newspaper is to book as trumpet is to banjo. The newspaper and book are to read; the trumpet and banjo are musical instruments to play.

5.



A. 1

B. 2

**C.** 3

**D.** 4

**Answer & Explanation**

**Answer:** Option C

**Explanation:**

Fly is to ant as snake is to lizard. The fly and ant are both insects; the snake and lizard are both reptiles.

SECTION-4

1. candle lamp floodlight  
hut cottage ?

**A.** tent

**B.** city

**C.** dwelling

**D.** house

**Answer & Explanation**

**Answer:** Option D

**Explanation:**

Above the line, the relationship shows a progression of sources of light. The relationship below the line shows a progression of types of housing, from smallest to largest. (Choice a) is incorrect because a tent is smaller than a house. Choices b and c are wrong because they are not part of the progression.

2. daisy flower plant  
bungalow house ?

**A.** building

**B.** cottage

**C.** apartment

**D.** city

**Answer & Explanation**

**Answer:** Option A

**Explanation:**

Above the line, the relationship is as follows: A daisy is a type of flower, and a flower is a type of plant. Below the line, the relationship is as follows: A bungalow is a type of house, and a house is a type of building.

3. palette easel brush  
textbook lesson plan ?

**A.** artist

**B.** teacher

**C.** report card

**D.** paint

**Answer & Explanation**

**Answer:** Option C

**Explanation:**

The objects above the line are all things used by an artist. The objects below the line are all things used by a teacher.

4. rule command dictate  
doze sleep ?

**A.** snore

**B.** govern

**C.** awaken

**D.** hibernate

**Answer & Explanation**

**Answer:** Option D

**Explanation:**

The words above the line show a continuum: Command is more extreme than rule, and dictate is more extreme than command. Below the line, the continuum is as follows: Sleep is more than doze, and hibernate is more than sleep. The other choices are not related in the same way.

5. apples fruit supermarket  
novel book ?

**A.** bookstore

**B.** magazine

**C.** vegetable

**D.** shopping

**Answer & Explanation**

**Answer:** Option A

**Explanation:**

The relationship above the line is as follows; apples are a kind of fruit; fruit is sold in a supermarket. Below the line, the relationship is: a novel is a kind of book; books are sold in a

bookstore.

6.    ant       fly       bee  
      hamster squirrel ?

A. spider

B. mouse

C. rodent

D. cat

**Answer & Explanation**

**Answer:** Option **B**

**Explanation:**

The three above the line are all insects. The hamster and squirrel are rodents, so the correct choice is b because the mouse is also a rodent. The other three choices are not rodents.

7.    carpenter    saw        nails  
      pediatrician stethoscope ?

A. thermometer

B. baby

C. doctor

D. illness

**Answer & Explanation**

**Answer:** Option **A**

**Explanation:**

In the relationship above the line, the saw and the nails are tools a carpenter uses. In the relationship below the line, the stethoscope and thermometer are tools a pediatrician uses.

8.    tadpole frog    amphibian  
      lamb    sheep    ?

A. animal

B. wool

C. farm

D. mammal

**Answer & Explanation**

**Answer:** Option **D**

**Explanation:**

The tadpole is a young frog; frogs are amphibians. The lamb is a young sheep; sheep are mammals. Animal (choice a) is incorrect because it is too large a grouping: Animals include insects, birds, mammals, reptiles, and amphibians. Choices b and c are incorrect because they are not part of the progression.

9. table wood oak  
shirt cloth ?

**A.** sewing

**B.** dress

**C.** cotton

**D.** tree

**Answer & Explanation**

**Answer:** Option C

**Explanation:**

A table made of wood could come from an oak tree. A shirt made of cloth could come from a cotton plant. Choice a looks like a reasonable answer if you apply the same sentence: "A shirt made of cloth could come from sewing." But this is not the same relationship as the one above the line. The oak and the cotton are both materials used to make the table and the shirt.

10. snow mountain ski  
warmth lake ?

**A.** sand

**B.** swim

**C.** sunburn

**D.** vacation

**Answer & Explanation**

**Answer:** Option B

**Explanation:**

The relationship above the line is that snow on a mountain creates conditions for skiing. Below the line, the relationship is that warmth at a lake creates conditions for swimming.

SECTION-  
5

- 1.

BINDING : BOOK

**A.** criminal : gang

**B.** display : museum



**C.** artist : carpenter

**D.** nail : hammer

**E.** frame : picture

**Answer & Explanation**

**Answer:** Option **E**

**Explanation:**

A binding surrounds a book; a frame surrounds a picture.

2. EXPLORE : DISCOVER

**A.** read : skim

**B.** research : learn

**C.** write : print

**D.** think : relate

**E.** sleep : wake

**Answer & Explanation**

**Answer:** Option **B**

**Explanation:**

One explores to discover; one researches to learn.

3. SIAMESE : CAT

**A.** type : breed

**B.** dog : puppy

**C.** mark : spot

**D.** romaine : lettuce

**E.** collar : leash

**Answer & Explanation**

**Answer:** Option **D**

**Explanation:**

Siamese is a kind of cat; romaine is a kind of lettuce.

4. FINCH : BIRD

**A.** frog : toad

**B.** elephant : reptile

**C.** Dalmatian : dog

**D.** collie : marsupial

**E.** ant : ladybug

**Answer & Explanation**

**Answer:** Option **C**

**Explanation:**

A finch is a type of bird; a Dalmatian is a type of dog.

5. PETAL : FLOWER

**A.** salt : pepper

**B.** tire : bicycle

**C.** base : ball

**D.** sandals : shoes

**E.** puppy : dog

**Answer & Explanation**

**Answer:** Option **B**

**Explanation:**

A petal is a part of a flower; a tire is a part of a bicycle.

6. COTTON : BALE

**A.** butter : churn

**B.** wine : ferment

**C.** grain : shock

**D.** curd : cheese

**E.** beef : steak

**Answer & Explanation**

**Answer:** Option **C**

**Explanation:**

Upon harvesting, cotton is gathered into bales; grain is gathered into shocks.

7. ELEPHANT : PACHYDERM

**A.** mantis : rodent

**B.** poodle : feline

**C.** kangaroo : marsupial

**D.** zebra : horse

**E.** tuna : mollusk

### Answer & Explanation

**Answer:** Option C

**Explanation:**

An elephant is a pachyderm; a kangaroo is a marsupial.

8. PSYCHOLOGIST : NEUROSIS

A. ophthalmologist : cataract

B. dermatologist : fracture

C. infant : pediatrician

D. rash : orthopedist

E. oncologist : measles

### Answer & Explanation

**Answer:** Option A

**Explanation:**

A psychologist treats a neurosis; an ophthalmologist treats a cataract.

9. PASTORAL : RURAL

A. metropolitan : urban

B. harvest : autumn

C. agrarian : benevolent

D. sleepy : nocturnal

E. wild : agricultural

### Answer & Explanation

**Answer:** Option A

**Explanation:**

Pastoral describes rural areas; metropolitan describes urban areas.

10. TAILOR : SUIT

A. scheme : agent

B. edit : manuscript

C. revise : writer

D. mention : opinion

E. implode : building

### Answer & Explanation

**Answer:** Option **B**

**Explanation:**

To tailor a suit is to alter it; to edit a manuscript is to alter it.

SECTION-6

1. MONK : DEVOTION

**A.** maniac : pacifism

**B.** explorer : contentment

**C.** visionary : complacency

**D.** rover : wanderlust

**E.** philistine : culture

**Answer & Explanation**

**Answer:** Option **D**

**Explanation:**

Devotion is characteristic of a monk; wanderlust is characteristic of a rover.

2. SLAPSTICK : LAUGHTER

**A.** fallacy : dismay

**B.** genre : mystery

**C.** satire : anger

**D.** mimicry : tears

**E.** horror : fear

**Answer & Explanation**

**Answer:** Option **E**

**Explanation:**

Slapstick results in laughter; horror results in fear.

3. VERVE : ENTHUSIASM

**A.** loyalty : duplicity

**B.** devotion : reverence

**C.** intensity : color

**D.** eminence : anonymity

**E.** generosity : elation

**Answer & Explanation**

**Answer:** Option **B**

**Explanation:**

Verve and enthusiasm are synonyms; devotion and reverence are synonyms.

4. SPY : CLANDESTINE

A. accountant : meticulous

B. furrier : rambunctious

C. lawyer : ironic

D. shepherd : garrulous

E. astronaut : opulent

**Answer & Explanation**

**Answer:** Option **A**

**Explanation:**

A spy acts in a clandestine manner; an accountant acts in a meticulous manner.

5. COBBLER : SHOE

A. jockey : horse

B. contractor : building

C. mason : stone

D. cowboy : boot

E. potter : paint

**Answer & Explanation**

**Answer:** Option **B**

**Explanation:**

A cobbler makes and repairs shoes; a contractor builds and repairs buildings.