



## General Math Review

1. What is 25% of \$95?
2. What is 24% of 60?
3.  $\frac{1}{3}$  of 72 =  $\frac{1}{4}$  of what number?
4.  $\frac{3}{4}$  of 20 =  $\frac{1}{4}$  of what number?
5. I paid \$2.50 in taxes on a \$45 item, what percentage rate of taxes did I pay?
6. I paid \$15.50 in taxes on a \$62 item, what percentage rate of taxes did I pay?
7. I sold 6 coats for \$60 each. My commission is 20%, how much money did I make?
8. I sold 45 books for \$7 each. My commission is 15%, how much money did I make?
9. A hole is dug. It is 6 feet deep, 12 feet wide and 15 feet long. How many cubic yards of dirt were removed?
10. A hole is dug. It is 9 feet deep, 21 feet wide and 24 feet long. How many cubic yards of dirt were removed?
11. What is the decimal equivalent of  $61\frac{3}{9}$ ?
12. What is the decimal equivalent of  $27\frac{5}{8}$ ?
13. If I travel for 3 hours, how many minutes will it take me to travel  $\frac{1}{4}$  as far?
14. I traveled for 330 miles at 55 miles an hour. It is now 2pm, at what time did I leave home?
15.  $\frac{1}{3}$  of 30 =  $\frac{1}{5}$  of what number?



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16.  $\frac{1}{5}$  of 25 =  $\frac{1}{2}$  of what number?
17. I traveled for 440 miles at 55 miles an hour. It's now 5pm; at what time did I leave home?
18. I sell 90 of my 120 eggs, what percentage did I sell?
19. I sell  $\frac{3}{4}$  of my 48 books, how many books did I sell?
20. What fraction subtracted from  $\frac{3}{4}$  will yield an answer that is equal to the difference between  $\frac{6}{8}$  and  $\frac{1}{4}$ ?
21. What fraction subtracted from  $\frac{5}{12}$  will yield an answer that is equal to the difference between  $\frac{2}{3}$  and  $\frac{1}{2}$ ?
22. If I sold 125 books and 25 are returned to me, what percentage of books were returned?
23. Of the following problems, which one produces a solution with the largest value?  
 $\frac{1}{4} \times 5$        $5 - \frac{1}{4}$        $\frac{1}{5} + 3$        $3 \div \frac{1}{5}$
24. Of the following problems, which one produces a solution with the smallest value?  
 $\frac{7}{8} \times 3$        $6 - \frac{3}{4}$        $\frac{2}{5} + 4$        $6 \div \frac{4}{5}$
25. Solve the following:  $\frac{4}{5} + \frac{3}{4} =$
26. Solve the following:  $\frac{2}{7} - \frac{1}{4} =$
27. Solve the following:  $\frac{4}{5} \times \frac{1}{4} =$
28. Solve the following:  $\frac{4}{9} \div \frac{1}{2} =$
29. Solve the following:  $\frac{3}{5} + \frac{8}{9} =$
30. Solve the following:  $\frac{3}{4} - \frac{5}{18} =$
31. Solve the following:  $\frac{4}{32} \times \frac{7}{12} =$
32. Solve the following:  $\frac{1}{5} \div \frac{5}{7} =$



General Math Review

On problems #33-40, use the decimal place value chart given below.

Decimal Place Value Chart													
Millions	Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones	Decimal Point	Tenths	Hundredths	Thousandths	Ten thousandths	Hundred thousandths	Millionths
3	6	0	5	7	1	9	.	2	4	6	8	7	9

- 33. What is the place value of the 4 in the number 5,719.246?
- 34. What is the place value of 7 in the number 3,605,719.24?
- 35. What is the place value of 2 in the number 605,719.246879?
- 36. What is the value of 9 in the number 3,605,719.2468?
- 37. Round 3,605,719.246879 to the nearest thousandth.
- 38. Round 3,605,719.246879 to the nearest ten.
- 39. Round 3,605,719.246879 to the nearest tenth.
- 40. Round 3,605,719.246879 to the nearest hundred.



## General Math Review

### SOLUTIONS

1. \$23.75

2. 14.40

3. 96

4. 60

5. 5.6%

6. 25%

7. \$72

8. \$47.25

9. 40

10. 168

11. 61.33

12. 27.625

13. 45 minutes

14. 8 a.m.

15. 50

16. 10

17. 9am

18. 75%

19. 36

20.  $\frac{1}{4}$

21.  $\frac{1}{4}$

22. 20%

23.  $3 \div \frac{1}{5} = 15$

24.  $\frac{7}{8} \times 3 = 2.63$

25.  $\frac{31}{20}$  or  $1\frac{11}{20}$

26.  $\frac{1}{28}$

27.  $\frac{1}{5}$

28.  $\frac{8}{9}$

29.  $1\frac{22}{45}$  or  $\frac{67}{45}$

30.  $\frac{17}{36}$

31.  $\frac{7}{96}$

32.  $\frac{7}{25}$

33. Hundredth

34. Hundreds

35. Tenth

36. Ones

37. 3,605,719.247

38. 3,605,720

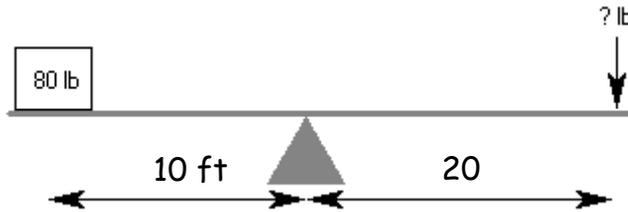
39. 3,605,719.2

40. 3,605,700

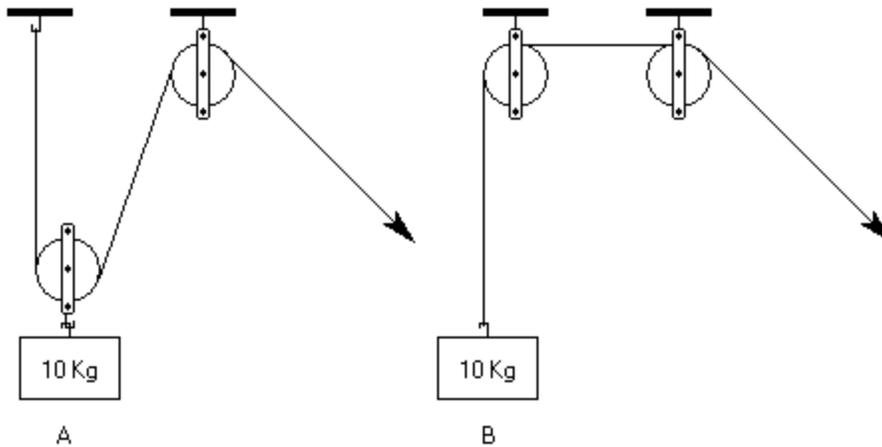
## MECHANICAL EXAM PRACTICE

1. To balance the bar, how much weight needs to be placed on the right side?

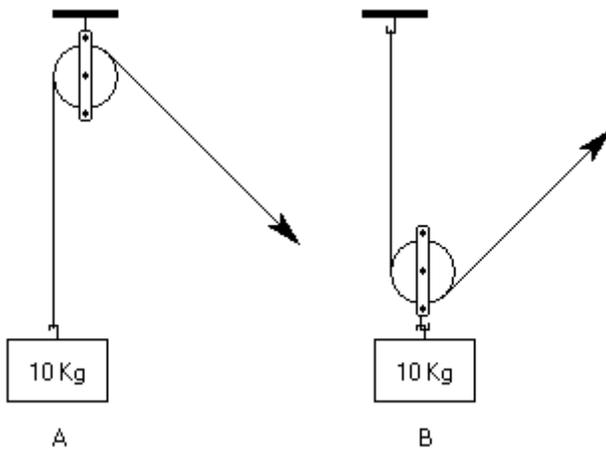
- A) 80 lb
- B) 160 lb
- C) 40 lb



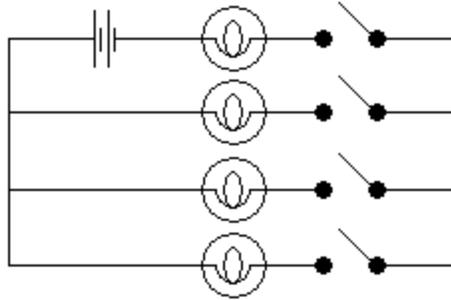
2. Which weight requires the least force to move?



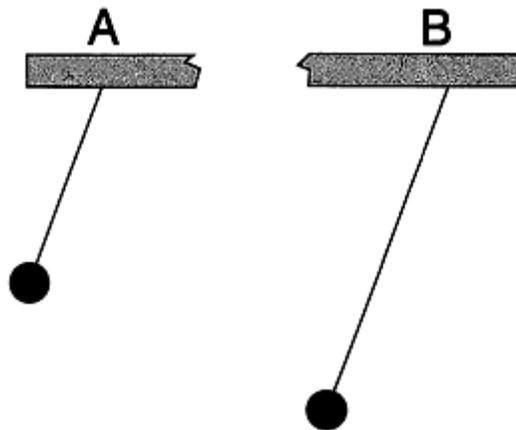
3. Which weight requires the least force to move?



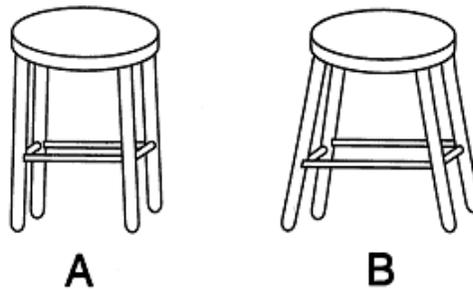
4. How many switches need to be closed to light up at least one bulb?



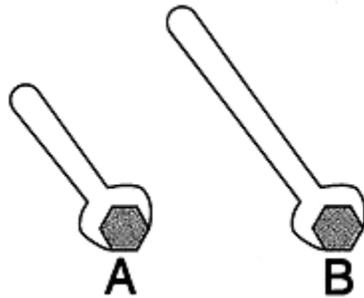
5. You put the same amount of weight at the end of these two pendulums. If you let go of the two pendulums at the same time, which will swing back and forth more times in a minute?



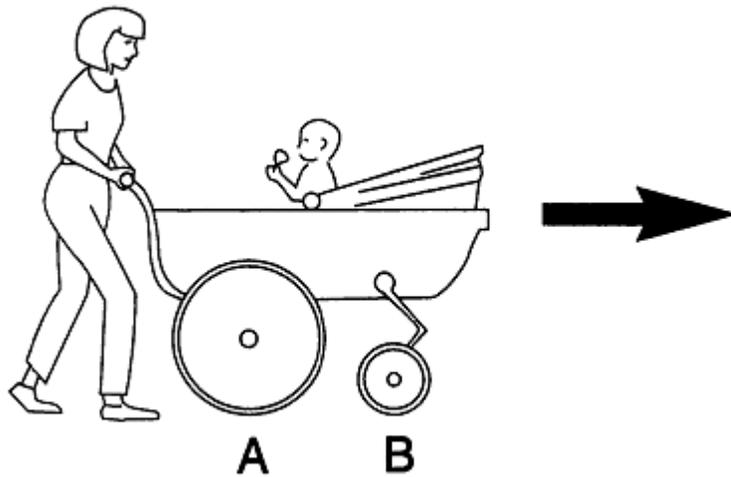
6. These stools are the same height. Which is more likely to tip over when an active child sits on it?



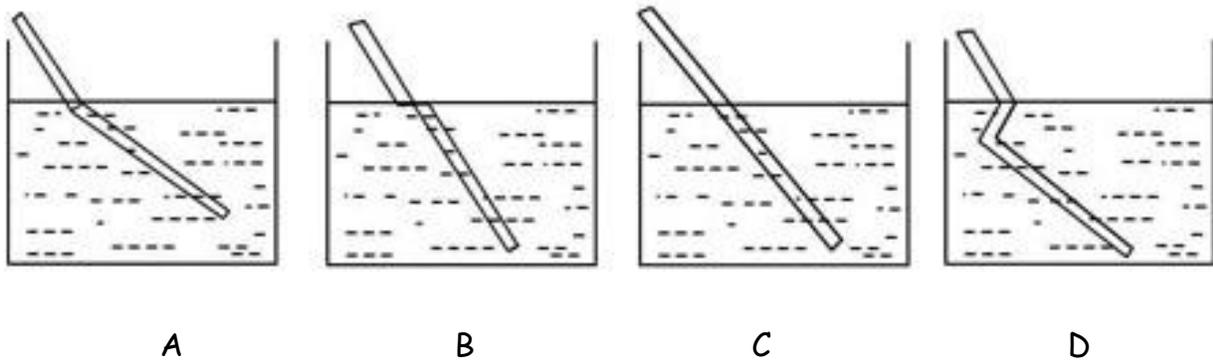
7. Which wrench will make it easier to loosen the bolt?



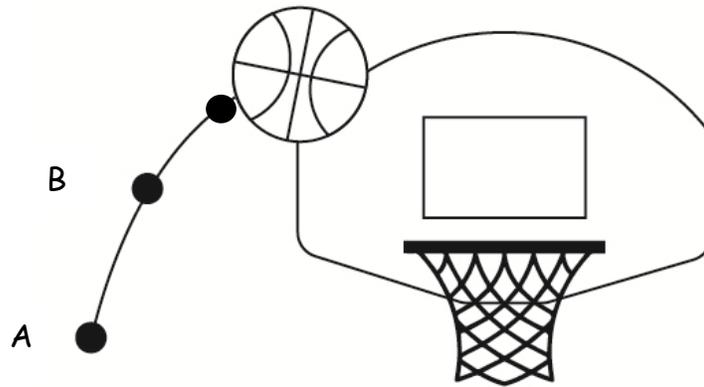
8. Which wheel is turning faster?



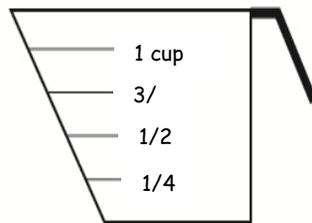
9. What would a glass rod look like when immersed in water?



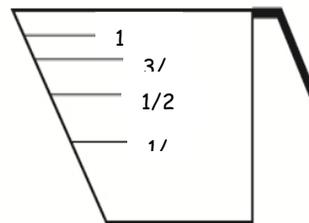
10. At which point will the ball go faster?



11. Which measuring cup is marked correctly?



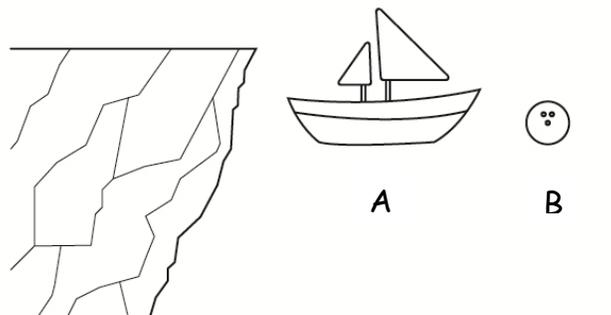
A



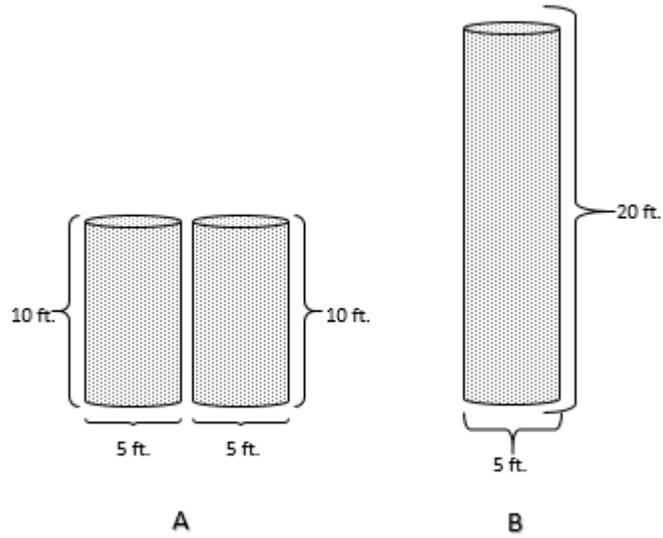
B

12. If a boat and bowling ball fall off a 200ft. cliff at the same time, which would hit the ground first?

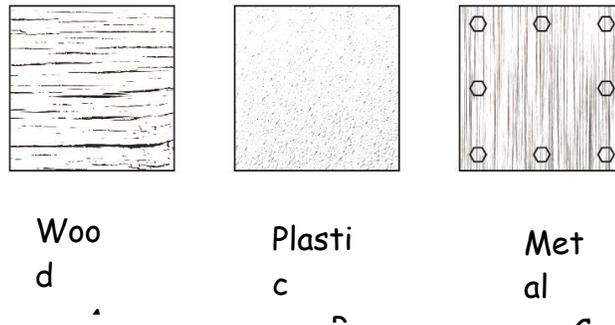
- A) Boat
- B) Ball
- C) Both



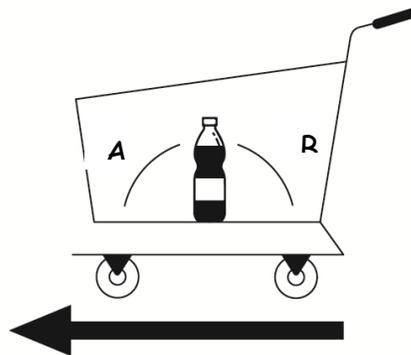
13. Which will hold more grain, the two silos at A or the one silo at B?  
(If equal, mark C.)



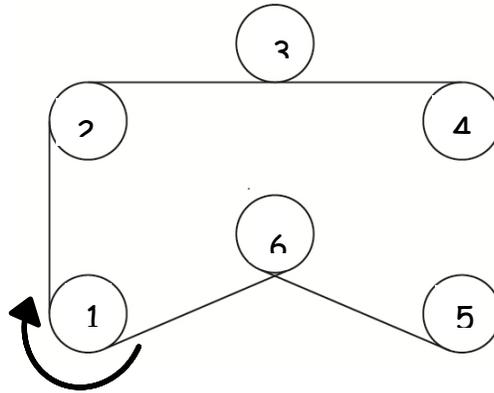
14. Which box is heavier?



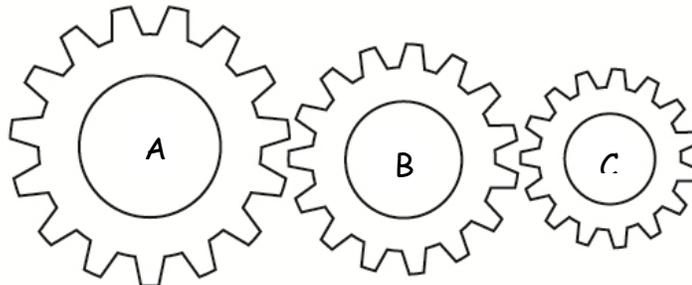
15. If the cart is moving in the direction of the arrow and suddenly stops, which direction will the bottle of pop fall?



16. If pulley #1 is moving clockwise, which direction is pulley #3 moving?  
A) Clockwise  
B) Counterclockwise



17. If gear A turns clockwise, which way will gear C turn?  
A) Clockwise  
B) Counterclockwise



**Mechanical Test  
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**Description**

The Bennett mechanical comprehension test is a psychological aptitude test in engineering that is designed to measure one's mechanical intelligence, ability to interpret technical drawings, understand diagrams of technical devices and their work, and solve engineering tasks.

This test is destined to detect technical abilities of adolescents (12 and over) and adults. It includes 70 tasks that require technical problem solving. In each task test subjects should choose the correct answer out of 3.

The test time is about 30 minutes.

We recommend purchasing the \$0.99 version of this app because it provides solutions to the 70 questions.

**ANSWER SHEET:**

- |      |       |
|------|-------|
| 1. C | 10. A |
| 2. A | 11. B |
| 3. B | 12. C |
| 4. 2 | 13. C |
| 5. A | 14. C |
| 6. A | 15. A |
| 7. B | 16. B |
| 8. B | 17. A |
| 9. A |       |

## MECHANICAL REVIEW PACKET EXPLANATIONS

1. This question relates to gravity, balance, and leverage. Locating the center of gravity by pivoting on a support is based on the principle of a balance scale. The scale will balance when the leverage is the same on each side. To balance this scale, we would use the following calculation method:

$$\text{weight 1} \times \text{distance 1} = \text{weight 2} \times \text{distance 2}$$

$$80 \times 10 = (?) \times 20$$

$$800 = (?) \times 20$$

$$\frac{800}{20} = (?) \times \frac{20}{20}$$

$$40 = (?)$$

2. The pulley system used to lift weight B is a fixed pulley system. This system only changes the direction of the pull (force), but does not decrease the amount of force needed to lift the weight. Whereas the pulley system used to lift weight A reduces the force by two (half the weight of the object being lifted) in addition to changing the direction of the pull. Weight A is lifted by a compound pulley system which uses a combination of a fixed and movable pulley.
3. The pulley system used to lift weight A is a fixed pulley system. This system only changes the direction of the pull (force), but does not decrease the amount of force needed to lift the weight. The pulley used to lift weight B is moveable pulley system. As the rope is pulled up, the pulley can also move up. The weight is attached to this moveable pulley. Now the weight is supported by both the rope end attached to the upper bar and the end held by the person. Each side of the rope is supporting the weight, so each side carries only half the weight (2 upward tensions are equal and opposite of the downward weight, so each tension is equal to 1/2 the weight). The force needed to hold up the pulley in this example is half the weight.
4. An electric circuit is an unbroken path along which an electric current exists and/or is able to flow. A simple electrical circuit consists of a power source, two conducting wires (one end of each being attached to each terminal of the cell), and a small lamp to which the free ends of the wires leading from the cell are attached. To light up at least one bulb, a full circuit must be created by closing at least two switches.
5. The time it takes a pendulum to make one complete round trip (swing out and back one time), depends on the string's length and the acceleration of gravity. It does not matter how heavy the weight is that's tied to the end of the string. Since pendulum A's string is shorter than pendulum B's string and they are both under the influence of the same gravity (the Earth's), pendulum A will swing back and forth more times in a minute.

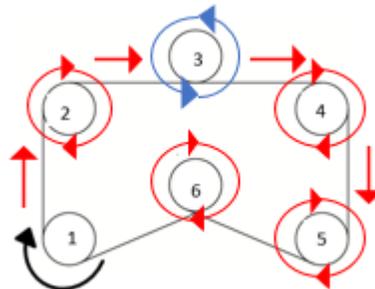


6. The position of the center of gravity of an object affects its stability. Increasing the area of the base will also increase the stability of an object, the bigger the area the base covers the more stable the object will be. The center of gravity of both stools is the same height above the ground but because stool A has a much smaller base it topples over considerably easier than the wide base that stool B offers.
7. Wrench B has a longer handle than wrench A. The longer handled wrench will provide more leverage. Having more leverage will allow the person attempting to loosen the bolt to apply more force (torque) with less effort; therefore, making it easier to loosen the bolt.
8. Wheel A is at least twice as large as wheel B. Knowing that wheel A is twice the size of wheel B, we can determine that wheel A will only turn once for every two times wheel B turns. This is related to circumference of the wheels and the speed it takes the small wheel to complete a revolution is twice as fast as the larger wheel.
9. The visual effect created when the rod is immersed in the glass of water is called "refraction". Refraction occurs when light goes through a water surface since water has a refractive index of 1.33 and air has a refractive index of about 1. Looking at a straight object, such as a glass rod in the figure here, which is placed at a slant, partially in the water, the object appears to bend at the water's surface. This is due to the bending of light rays as they move from the water to the air. Once the rays reach the eye, the eye traces them back as straight lines (lines of sight). The lines of sight intersect at a higher position than where the actual rays originated. This causes the glass rod to appear higher and the water to appear shallower than it really is.
10. The upward force used to shoot the ball causes the basketball to move faster at point A because it is closer to the release point where the upward force was created. As the ball travels away from the force that generated its upward movement, gravity takes effect on the basketball. Gravity pulls the basketball down toward the ground and slows its upward movement.
11. The two measuring cups pictured increase their labeled measurements by a quarter of a cup for each measuring line. With the cup progressively getting wider as the top of the cup is reached, the measurements would not read accurately if marked with equal separation as the cup widens; therefore, the amount needed to fill the space between measurements should lessen as the measurements get closer to the top of the cup.
12. All objects (regardless of their mass) free fall with the same acceleration -  $9.8 \text{ m/s}^2$ . This particular acceleration value is so important in physics that it has its own peculiar name - the acceleration of gravity - and its own peculiar symbol -  $g$ . Free fall is a special type of motion in which the only force acting upon an object is gravity. Objects that are said to be undergoing free fall, are not encountering a significant force of air resistance; they are falling under the sole influence of gravity. Under such conditions, all objects will fall with the same rate of acceleration, regardless of their mass.

13. The two silos at A combined equal a 5 ft. wide by 20 ft. high silo which is exactly the size of silo B; therefore, both silos at A would hold the same volume of grain as the single silo at B.

$$VOLUME = height \times \pi (pi = 3.14) \times r^2 \text{ (radius of the base circle}^2\text{)}$$

14. The density of the atoms/molecules that make up wood, plastic, and metal differ. Typically metals have atoms that are packed together much tighter than wood or plastic and make metal heavier.
15. The bottle of pop will fall forward based on Newton's laws of motions. An object in motion will stay in motion unless acted upon by an outside force. If the cart stops suddenly, no outside force has acted on the bottle of pop inside; therefore, it will keep moving forward until it reaches an outside force.
16. Pulley #1 is placed inside the belt loop and is moving clockwise. Based upon the motion of the belt and pulley #2 being located inside the belt loop as well, it can be determined that pulley #2 is moving clockwise. Moving onto pulley #3, we know the belt is moving clockwise as it passes pulley #3 which is located outside of the belt loop. Knowing that the belt loop runs clockwise and pulley #3 is on the outside, it can be determined that pulley #3 is moving counterclockwise.



17. In a gear train with an odd number of gears, the first and last gears will rotate in the same direction. Since this gear train is made of three gears (odd number) and we know gear A is turning clockwise, it can be determined that gear C is also moving clockwise. Also, each gear turns the opposite direction to the gear in front of it. So it is also possible to follow the change of direction in each gear and determine the direction gear C is turning.

## Accuplacer Reading Review

\*The following Accuplacer reading review is from EBSCO host's Learning Express web site. The reading review's content was drawn from Learning Express's web site and can be found in the College Center under the preparing for college placement exams section (<http://www.learningexpresshub.com/productengine/LELIndex.html#/college-center/resources/prepare-for-college-placement-exams/accuplacer-preparation/accuplacer-reading-comprehension-practice-tests>). Free access to the Learning Express website is granted to any person with a Yakima Valley Libraries library card.

**1)** *Choosing a doctor is an important decision. Here are some things you can do to make the best choice. The single most important thing is to interview the doctors you are considering. Ask questions about the practice, office hours, and how quickly he or she responds to phone calls. Pay attention to the doctor's communication skills and how comfortable you are with him or her. The second thing you should do is check the doctor's credentials. One way to do this is to ask your health insurance company how they checked the doctor's credentials before accepting him or her into their network. Another thing you can do is to look at the environment of the doctor's office. Be sure patients aren't waiting too long and that the office is clean and professional. Finally, spend some time talking with the receptionist. Keep in mind that this is the person you'll come into contact with every time you call or come into the office. If he or she is pleasant and efficient, it will certainly make your overall experience better.*

1. According to the paragraph, the primary way to choose a doctor is:
  - A. To conduct an interview with the doctor.
  - B. To ask your health insurance company to provide you with credentials for the doctor.
  - C. To talk to the receptionist to make sure the office runs efficiently.
  - D. To observe the environment in the doctor's office to make sure it is clean, professional, and wait times are reasonable.

**2)** *Voting is a privilege for which wars have been fought, protests have been organized, and editorials have been written. "No taxation without representation" was a battle cry of the American Revolution. Women struggled for suffrage, as did all minorities. Eighteen-year-olds clamored for the right to vote, saying that if they were old enough to go to war, they should be allowed to vote. Yet Americans have a deplorable voting history.*

*Interviewing people about their voting habits is revealing. There are individuals who state that they have never voted. Often, they claim that their individual vote doesn't matter. Some people blame their absence from the voting booth on the fact that they do not know enough about the issues. In a democracy, we can express our opinions to our elected leaders, but more than half of us sometimes avoid choosing the people who make the policies that affect our lives.*

2. The author of the passage implies that:
  - A. Not voting is an understandable choice for those who do not know enough about the issues.



- B. Voting is an obligation and duty of citizenship.
- C. In a democracy our power to make change is so limited that voting is not an imperative.
- D. America's voting history is laudable.

**3)** *Although it is called Central Park, New York City's great green space has no "center"—no formal walkway down the middle of the park, no central monument or body of water, no single orienting feature. The paths wind, the landscape constantly shifts and changes, the sections spill into one another in a seemingly random manner. But this "decentering" was precisely the intent of the park's innovative design. Made to look as natural as possible, Frederick Law Olmsted's 1858 plan for Central Park had as its main goal the creation of a democratic playground—a place with many centers to reflect the multiplicity of its uses and users. Olmsted designed the park to allow interaction among the various members of society, without giving preference to one group or class. Thus, Olmsted's ideal of a "commonplace civilization" could be realized.*

- 3. From explicit statements in the passage, Olmsted's ideal of a "commonplace civilization" means:
  - A. A natural paradise in the center of the city.
  - B. A shifting landscape of paths and playgrounds that civilizes the surrounding natural beauty.
  - C. A place for the common man to escape the stresses and drudgery of everyday life.
  - D. A park that knows no social barriers and encourages the mixing of social classes.

**4)** *Robert Johnson is the best blues guitarist of all time. There is little information available about this legendary blues guitarist, and the information is as much rumor as fact. What is indisputable, however, is Johnson's tremendous impact on the world of rock and roll. Some consider Johnson the father of modern rock: His influence extends to artists from Muddy Waters to Led Zeppelin, from the Rolling Stones to the Allman Brothers Band. Eric Clapton has called Johnson the most important blues musician who ever lived. Considering his reputation, it is hard to believe that Johnson recorded only 29 songs before his death in 1938, purportedly at the hands of a jealous husband. He was only 27 years old, yet he left an indelible mark on the music world. Again and again, contemporary rock artists return to Johnson, whose songs capture the very essence of the blues, transforming our pain and suffering with the healing magic of his guitar.*

- 4. The author would most likely end the passage with which of the following sentences?
  - A. The 1990 box set of Johnson's complete recordings enjoyed unprecedented sales.
  - B. Robert Johnson was born over 100 years ago in the backwaters of Mississippi.
  - C. Although his contribution is minor, thousands of new fans discover Johnson's soulful voice and masterful guitar every year.
  - D. Rock music wouldn't be what it is today without Robert Johnson.

**5)** *Planting a garden is a lot like having a family. A plant becomes dependent on the gardener and begs for water on a hot summer day. Gardeners also have to clean up the space around their plants as they shed spent petals, as they require pruning, and as they become choked with weeds. Gardeners also provide for the health of their plants through insecticide and fertilizer applications. A gardener's*

*responsibility for his or her plants lessens as they die at the end of the season or they go into winter dormancy. Like gardeners, parents find their children dependent upon them for food and nourishment. Like gardeners, parents are constantly picking up after their children, as toys and clothes are scattered throughout the house. Like gardeners, parents provide for the nourishment and well-being of their children with vitamin supplements, food, and medicines. However, unlike gardeners, parents will find that their responsibility lessens as the child grows, but it does not come to an end.*

5. According to the passage, the main difference between gardeners and parents is:
- A. Gardeners have to apply insecticide and fertilizer unlike parents.
  - B. Gardeners have to clean up spent petals, prune, and weep unlike parents.
  - C. Plants become dependent on gardeners for water on hot summer days.
  - D. Gardeners' responsibilities never lessens year after year unlike parents who will enjoy decreasing responsibility with advancing years.

**6)** *Coach Lerner, my basketball coach, is six feet ten inches tall with a voice that booms like a foghorn and the haircut of a drill sergeant. Every morning, he marches onto the basketball court at precisely 8:00 and dominates the gymnasium for the next three hours. He barks orders at us the entire time and expects that we will respond like troops on a battlefield. And if we fail to obey his commands, he makes us spend another 45 minutes under his rule.*

6. Which of the following best describes the mood of the author?
- A. Exasperation
  - B. Admiration
  - C. Exultance
  - D. Moroseness

**7)** *Every morning when Clara arrives at the gym, she is greeted with a buzz of warm hellos. She starts her workout in the weight room, where her exercise regimen is always peppered with lively chats with those around her. She then moves on to the pool, where she stops and converses with other friends and acquaintances before diving in and swimming laps. As she swims, her sole focus is the calming sound of her body gliding through the water—a rare moment in her always very social days.*

7. The passage suggests that the part of her morning workout most prized by Clara is:
- A. Her workout in the weight room
  - B. Her exercise regimen
  - C. Her lively chats and conversations
  - D. Swimming laps

**8)** *Imagine how wonderful it would be if local residents had access to a community garden. Rather than gardening in isolation, residents would come together in an appealing designated spot to plant a bountiful garden. They would be given a plot of land within the large garden to plant as they see fit. They could plant flowers, vegetables, herbs, or any other greenery they desire. The requirement would be that they spend at least one hour in the garden every week and that they bring a few gardening implements to share, such as watering cans, gardening gloves, fertilizer, and shovels. The benefits of a community*

*garden would be numerous. Residents would have access to land in which to garden they might not otherwise have. They would be part of a worthwhile and rewarding community activity that would allow them to meet other residents who love gardening and who might have excellent gardening skills and hints to share. Additionally, a community garden would be a wonderful oasis in the middle of our busy town where residents can come to walk, sit, or just enjoy the company of neighbors in a lush and friendly setting.*

8. The passage mentions each of the following as a benefit of a community garden EXCEPT:
- A. Residents who do not have land to plant a garden would be able to grow vegetables
  - B. Meeting and socializing with neighbors while being able to harvest vegetables
  - C. The increased nutrition available from fresh, pesticide-free fruits and vegetables
  - D. Creating a soothing retreat where residents can walk, sit, and enjoy one another's company.

**9)** *The Berkshire Park Community Center was damaged in a fire six months ago. Soon after, a committee of eight community members came up with the idea of an International Dinner to raise funds to repair the damages. The plan was to serve foods that represent the various cultures in the neighborhood. In addition, the committee organized a silent auction to take place during the dinner. Before the event, tickets were sold for \$50 each. During the dinner, the committee chairperson talked to a local newspaper reporter and stated that the goal was to raise \$10,000. Three hundred and fifty people attended the event, which raised \$15,000. When the attendees left the event, they felt very good about their community. After the event, a letter was sent to community members thanking them for everything while outlining a schedule for renovation.*

9. The Berkshire Park Community Center used all of the following strategies to raise money to repair the fire damage on the facility EXCEPT:
- A. Holding an International Dinner
  - B. Selling lottery tickets
  - C. Getting the local newspaper to write a story about their event
  - D. Holding a silent auction

**10)** *This year's employee awards ceremony was a tremendous success. The first award was given to Carlos Fe for Perfect Attendance. The second award, for Most Dedicated Employee, went to Jennifer Steele. Then our president, Martin Lucas, interrupted the awards ceremony to announce that he and his wife were having a baby. When he finished, everyone stood up for a congratulatory toast. Afterward, the third award was given to Karen Hunt for Most Inspiring Employee. Finally, President Lucas ended the ceremony by giving everyone a bonus check for \$100.*

10. The purpose of this passage is to present:
- A. A personal observation.
  - B. A solution to a problem.
  - C. An account of an event
  - D. Opposing points of view.

**11)** *The worst and longest economic crisis in the modern industrial world, the Great Depression in the United States had devastating consequences for American society.*

*At its lowest depth (1932–33), more than 16 million people were unemployed, more than 5,000 banks had closed, and over 85,000 businesses had failed.*

11. What does the second sentence do?
- A. The first sentence explains the meaning of the second.
  - B. The second sentence provides evidence for the first.
  - C. The second sentence proposes a solution.
  - D. The second sentence contradicts the first.

**12)** *It may come as a surprise to current Milton Hershey fans, but his first candy success came with the manufacture of caramel.*

*After the failure of his Philadelphia store, Milton headed for Denver, where he learned the art of making caramels.*

12. What does the second sentence do?
- A. It restates the idea in the first sentence.
  - B. It emphasizes what is stated in the first sentence.
  - C. It compares an idea with the idea in the first sentence.
  - D. It show a time order.

**13)** *The most successful parties have a memorable style and theme that is introduced with the invitation and carries through to the choice of food, decorations, and entertainment, combining to produce an unforgettable event.*

*The best poems grab you with an electric opening and transport you on a emotional journey punctuated by vibrant, sensory imagery, producing and experience of enduring impact.*

13. What does the second sentence do?
- A. It restates the idea of the first sentence.
  - B. It continues a sequence.
  - C. It compares an idea with the idea in the first sentence.
  - D. It continues a list.

**14)** *After the housing bubble burst in 2008, median home prices in the United States dropped from \$219,000 to \$154,700 in 2012.*

*The subsequent decline in lending capacity and consumer consumption triggered a 6% annual rate of decline in the output of goods and services by the end of 2008, an increase in the unemployment rate to over 10%, and a decline in the average hours of work per week to 33.*

14. What does the second sentence do?
- A. It restates the idea found in the first.
  - B. It states effects.



- C. It gives examples.
- D. It analyzes the statement made in the first.

**15)** *In the 1980s, giant megamalls were developed.*

*The 5.3 million square foot West Edmonton Mall in Alberta, Canada, opened in 1981, with over 800 stores, 110 eating establishments, a hotel, an amusement park, a miniature-golf course, a church, a zoo, and a 438-foot-long lake.*

15. What does the second sentence do?
- A. It provides an example.
  - B. It makes a contrast.
  - C. It proposes a solution.
  - D. It states an effect.

**16)** *Anthropology is the study of human culture, both past and present, in order to understand the similarities and differences between how social relations are organized.*

*It combines the study of social patterns and practices; how biology interacts with culture; archaeological evidence of social group formation and human/environmental interactions; and how language reflects and influences social life (linguistic anthropology).*

16. What does the second sentence do?
- A. It expands on the first sentence.
  - B. It makes a contrast.
  - C. It proposes a solution.
  - D. It states an effect.

**17)** *Researchers studying unethical behavior believe that one reason people choose an unprincipled path is that they are blinded to the ethics of a situation due to the way in which the ethical dilemma is framed, a concept referred to as “bounded ethicality.”*

*The ethical big picture is overlooked because the context in which the decision is presented cognitively sets into motion a particular set of goals that supersedes ethical considerations.*

17. What does the second sentence do?
- A. It restates the central idea of the first sentence.
  - B. It provides a contradictory point of view.
  - C. It draws a conclusion from the first sentence.
  - D. It provides supporting evidence for the first statement.

**18)** *She suffered, feeling that every luxury should rightly have been hers.*

*The poverty of her rooms—the shabby walls, the worn furniture, the ugly upholstery caused her pain.*

18. How are the two sentences related?



- A. They repeat the same idea.
- B. They establish a contrast.
- C. They offer a cause and effect.
- D. They provide a statement and supporting example

**19)** *August in London is lauded for its mild daytime temperatures under partly cloudy skies.*

*Our three day visit in sweltering over 90°F weather with torrential rainstorms and flash floods will never allow us to totally believe this.*

19. How are the two sentences related?
- A. They repeat the same idea.
  - B. They provide a statement and supporting example.
  - C. They offer a cause and effect.
  - D. They establish a contrast.

**20)** *Unbeknownst to me, an unexpected and unseasonal ice storm had deposited a half an inch of ice on my door stoop.*

*As I hurried out the door, my feet flew out from underneath me propelling my arms into the air and my portfolio of artwork into flight.*

20. How are the two sentences related?
- A. They repeat the same idea.
  - B. They offer a cause and effect.
  - C. They establish a contrast.
  - D. They provide a statement and supporting example.

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## Works Cited

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## Answers:

- |      |       |
|------|-------|
| 1. A | 11. B |
| 2. B | 12. D |
| 3. D | 13. C |
| 4. D | 14. B |
| 5. D | 15. A |
| 6. A | 16. A |
| 7. D | 17. A |
| 8. C | 18. A |
| 9. B | 19. D |
| 10.C | 20. B |

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Perry Technical Institute Web Site

<https://www.perrytech.edu/admissions/enrollment.html>

