



❖ ANSWER KEY ❖

100 Practice Questions

x 4 Tests

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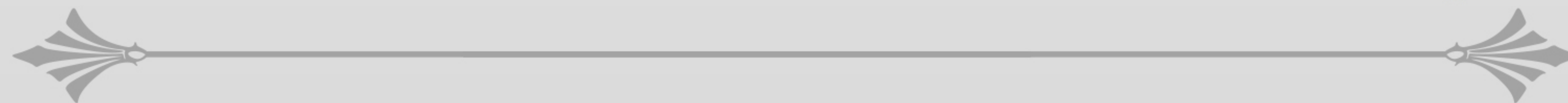


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Test 1 Answers

25 Questions in 6 Minutes



1. What word can you add, to each word below, to form a new word?

FUSE, CLAIM, DUCT, CREATE, FIT, FOUND, LONG

Answer: PRO

Add the word pro to create the words: profuse, proclaim, product, procreate, profit, profound and prolong.

2. Can you find what number is missing?

0, 1, 1, 2, 3, 5, 8, __, 21, 34

Answer: 13

The missing number is the sum of the previous two.

3. Which letter is next in the following sequence?

A B A C B C B D C

Answer: D

Goes up one letter, down one letter, up two, down one, then repeats.

4. David likes 324 but not 325. He is fond of 2500 but not 2400. David is thrilled with 121 but not 122. Which one of the numbers below does he prefer?

a) 800

b) 900

Answer: b) 900

David prefers square numbers. 324 is 18², 2500 is 50², 121 is 11², and 900 is 30².

5. If you count to 100 starting with one, how many 6s will you find?

a) 20

b) 19

c) 18

d) 22

e) 23

Answer: a) 20

Counting to 100, all of the numbers containing 6's are: 6, 16, 26, 36, 46, 56, 60, 61, 62, 63, 64, 65, 66 (two 6s in 66), 67, 68, 69, 76, 86, 96.

6. Which letter comes 12th in the English alphabet?

- a) P
- b) Q
- c) N
- d) M
- e) O

Answer: d) M

7. Can you find the correct number to complete the following series?

1, 16, 81, __, 625, 1296

Answer: 256

1, 2, 3, 4, 5, 6 to the fourth power.

8. Rearrange the letters below to form a word in English:

A S O H H C R P I R D

Answer: HARPSICHORD

9. Four years from now, Joe will be half as old as Ron. Ron was five times Joe's current age two years ago. Joe is what age now?

Answer: 4

Four years from now, Joe will be 8 and Ron will be 16. Two years ago, Joe was 2 and Ron was 10.

10. Of the 5 vowels below, which one represents the halfway mark between C and P?

- a) U
- b) O
- c) I
- d) E
- e) A

Answer: c) I

There are 3 vowels between C and P (E, I & O), since A comes before C, and U comes after P. E comes right after C, and O comes right before P, the only vowel left is I.

11. Of the five items below, which item does not belong with the others?

- a) DVD
- b) Cup
- c) Tree
- d) Plate
- e) Drawing

Answer: c) Tree

A tree is the only natural item.

12. A square is what number if a hexagon is 12?

- a) 12
- b) 16
- c) 4
- d) 8
- e) 2

Answer: d) 8

Double the sides in a hexagon (6 sides) is 12.

Double the sides in a square (4 sides) is 8.

13. What time is it if it's twice as long since noon as it was two hours ago?

- a) 14:00
- b) 11:00
- c) 12:30
- d) 16:00
- e) 14:30

Answer: d) 1600

Right now, it's four hours since noon. Two hours ago, it was two hours since noon.

14. Which word can you add to the beginning of MILL and the ending of CHAIN to make two new words?

Answer: SAW

Sawmill and chainsaw.

15. Jake has twenty-eight bouncy balls. There are pink bouncy balls, yellow bouncy balls and silver bouncy balls. One fourth of the bouncy balls are pink. Does that then mean that 7 bouncy balls are definitely pink?

- a) No
- b) Yes

Answer: b) No

We weren't given enough information to determine if the 7 bouncy balls are green.

16. Two women start walking from the same place and walk in opposite directions from each other for 3 meters, they make a right turn and continue walking 4 more meters. What is the distance they are apart from each other?

- a) 7 meters
- b) 10 meters
- c) 12 meters
- d) 15 meters
- e) 21 meters

Answer: b) 10 meters

Use the Pythagorean Theorem. $3^2 + 4^2 = 25$. The square root of 25 is 5. Each women starts at this distance. Double 5 to get the answer.

17. Considering the proverb, “The pen is mightier than the sword”, which statement below conveys the same meaning?

- a) Swords are less durable than pens.
- b) Fighting is a bad idea, no matter the circumstances.
- c) Your ideas are more persuasive than coercion.
- d) A pen is more intimidating than a sword.

Answer: c) Your ideas are more persuasive than coercion.

18. Mike and Ken begin their journey from the same spot. Mike travels due West and Ken travels due East 6 meters. Each make a right turn and continue 3 additional meters. Which traveler has gone closest to the North Pole?

Answer: Mike

Mike starts walking West and Ken starts walking East. When Mike turns right he'll be headed North. When Ken turns right he'll be headed South.

19. Of the numbers below, which one doesn't belong?

- a) 11
- b) 7
- c) 5
- d) 4
- e) 3

Answer: d) 4

4 is a composite number. The others are prime numbers.

20. If three painters paint three walls in three minutes, how many painters can paint 27 walls in nine minutes?

- a) 15
- b) 9
- c) 12
- d) 6
- e) 3

Answer: b) 9

Each painter takes three minutes to paint each wall. 27 walls divided by three minutes is 9 painters.

21. Using the letters below, create a word:

A A M A N R G A

Answer: ANAGRAM

22. Create a word from the following letters:

N E
I S
S S
U B

Answer: BUSINESS

Read clockwise from the bottom to spell out the word business.

23. Which statement below has the closest meaning to the proverb, "Two wrongs don't make a right."

- a) Two rights don't make a wrong.
- b) Seeking revenge only makes things worse.
- c) You can't be right by being wrong.
- d) Committing two wrong acts is twice as bad as one.

Answer: Seeking revenge only makes things worse.

24. What number below represents $\frac{1}{4}$ of $\frac{1}{10}$ of $\frac{1}{2}$ of 800?

- a) 5
- b) 10
- c) 30
- d) 40
- e) 80

Answer: b) 10

$\frac{1}{2}$ of 800 is 400. $\frac{1}{10}$ of 400 is 40. $\frac{1}{4}$ of 40 is 10.

25. If strawberry is to peach, then carrot is to?

- a) Blackberry
- b) Apple
- c) Mushroom
- d) Banana
- e) Potato

Answer: e) Potato

A Carrot and potato are root vegetables.

Test 2 Answers

25 Questions in 6 Minutes



1. 3,868 written in reverse is read 8,683. True or False?

- a) True
- b) False

Answer: a) True

3,868 in reverse is 8,683.

2. If aunt is to uncle, then grandfather is to:

- a) Grandmother
- b) Father
- c) Sister
- d) Mother
- e) Nephew

Answer: b) Grandmother

Male and female roles for the same relation.

3. Biff's weight is 150 pounds, Tucker's weight is 125 pounds and Moe's weight is 175 pounds. You can add any two of their weights to equal 300 pounds.

- a) True
- b) False

Answer: b) False

Tucker and Moe weigh 300 pounds, but Biff and Tucker weigh 275 pounds and Biff and Moe weigh 325 pounds.

4. Rearrange RANGIETAN, and you come up with a:

- a) Planet
- b) Ocean
- c) Continent
- d) Country
- e) State

Answer: d) Country

When rearranged, RANGIETAN spells out the country Argentina.

5. By adding all the odd numbers from the list: 2, 3, 6, 7, 9, 13, 14, 15. Do you get an even number or an odd number for your answer?

- a) Even
- b) Odd

Answer: b) Odd

The list includes five odd numbers, so the sum must be an odd number.

6. Zack bought seven new doors for his home from his local big box store. Zack's car only had room for two doors at a time. What number of trips did Zack make to get all the doors home?

- a) 9
- b) 8
- c) 7
- d) 4
- e) 2

Answer: d) 4

Two doors per trip allows Zack to get six doors in three trips. Zack had to make a fourth trip to get the seventh door.

7. Peter had \$10. He bought chips at \$1.29, a chocolate bar for \$1.49 and a pop for \$2.39. How much change does Peter receive, if he does not pay sales tax?

- a) None
- b) \$6.12
- c) \$5.83
- d) \$5.17
- e) \$4.83

Answer: e) \$4.83

Peter's total cost was \$5.17. $\$10.00 - \$5.17 = \$4.83$.

8. Are there forty-one letters contained in this sentence?

- a) Yes
- b) No

Answer: b) No

The sentence contains 38 letters.

9. Sal was checking in at the airport and was the 27th person in line and also the 27th person from the end of line. How many people were in the line?

- a) 57
- b) 55
- c) 54
- d) 53
- e) 27

Answer: d) 53

26 people were ahead of Sal and 26 people were behind him. $26+26=52$, plus Sal himself, totals 53.

10. By adding all the even numbers from the list: 2, 4, 6, 11, 18, 37, 38. Do you get an even number or an odd number for your answer?

- a) Even
- b) Odd

Answer: a) Even

When even numbers are added together, you get an even answer.

11. Martha is taller than Isabell. Jane is taller than Martha. Who is the tallest?

- a) Martha
- b) Isabell
- c) Jane
- d) Don't know

Answer: a) Martha

Jane is taller than Martha, who is taller than Isabell.

12. Five people go to a meeting and everyone there shakes hands with every other person attending once. What is the total number of handshakes?

- a) 25
- b) 20
- c) 15
- d) 10
- e) 5

Answer: d) 10

Each of the five people shake four hands. Divide by two to exclude counting the handshakes twice. $20/2=10$.

13. Tuesday is the third day of the month. The upcoming Sunday is which day of the month?

- a) Tenth
- b) Ninth
- c) Eighth
- d) Sixth

Answer: c) Eighth

14. Using the following list, can you add any three numbers to equal 26?

18, 8, 4, 3, 9

- a) Yes
- b) No

Answer: b) No

15. If BHHHBHBB is to 28882822, then HBBHHHBB is to:

- a) 88228822
- b) 28228822
- c) 22888228
- d) 82822288
- e) 82288822

Answer: e) 82288822

B is equal to 2, and H is equal to 8, so HBBHHHBB is 82288822.

16. Find the average of the following numbers.

1, 2, 6

Answer: 3

$1+2+6=9$. $9/3=3$.

17. Are the letters in “abstract” in alphabetical order? True or False

- a) True
- b) False

Answer: b) False

18. If can is to pop, then jug is to:

- a) Plastic
- b) Yogurt
- c) Cheese
- d) Milk
- e) Cow

Answer: d) Milk

A can and jug contain pop and milk, respectively.

19. What three-letter word can be added to the beginning of each of the following words to make a new word?

BOY, HIDE, LICK, POKE, HAND

Answer: COW

Add the word cow to create the words: cowboy, cowhide, cowlick, cowpoke, and cowhand.

20. If some of the kringles are blingos and some of the blingos are tumtooglers can it be said that some kringles definitely tumtooglers?

- a) Yes
- b) No

Answer: b) No

We weren't given enough information to determine whether any of the kringles who are blingos are also tumtooglers.

21. Which one of the following does not belong?

- a) Key
- b) Padlock
- c) Door knob
- d) Safe

Answer: a) Key

All of the other objects can be unlocked with a key.

22. If you count from 1 to 51, what is the number of 5s counted?

- a) 11
- b) 10
- c) 8
- d) 7
- e) 5

Answer: d) 7

5, 15, 25, 35, 45, 50, 51

23. Darius made eight cookies and gave half to Lacy. Lacy gave three quarters of the cookies to Oscar, how many cookies does Darius have left?

- a) 8
- b) 1
- c) 3
- d) 4
- e) 5

Answer: d) 4

Darius gave half of his eight cookies to Lacy, which left him with four cookies. The number of cookies Lacy and Oscar have are irrelevant.

24. If you unscramble the following letters, what English word do you form?

T U S B E O

Answer: OBTUSE

25. Joseph had an average of 100 after bowling three games. What would his average need to be for the next three games for him to have an overall average of 150?

- a) 300
- b) 250
- c) 200
- d) 175
- e) 150

Answer: c) 200

Joseph had a total score of 300 through three games. In order to get to an average of 150 after six games, he needs an additional score of 600 ($900/6=150$). Over three games, a total score of 600 is an average of 200.

Test 3 Answers

25 Questions in 6 Minutes



1. If you write, “Madam, I’m Adam,” is the spelling of the phrase the same written forward and backward?

- a) Yes
- b) No

Answer: a) Yes

2. Find the next number in the series

3, 9, 11, 9, 19, 9, __

- a) 11
- b) 9
- c) 33
- d) 21
- e) 27

Answer: e) 27

Every second number is 9, and 8 is added to the other numbers.

3. If you add any of the following three numbers, do they equal 12?

2, 8, 3, 4, 6, 9

- a) Yes
- b) No

Answer: a) Yes

$2+4+6=12$

4. Using the statements below, what conclusion can you draw?

- 1) None of the gardeners are tennis players.
- 2) All writers are gardeners.

- a) Some gardeners are tennis players.
- b) Writers are not tennis players.
- c) Writers are tennis players.
- d) Some writers are not gardeners.

Answer: b) Writers are not tennis players.

All writers are gardeners and no gardeners are tennis players, so writers are not tennis players.

5. Bob is what relationship to Jake if Bob's grandmother is Jake's father's mother?

- a) They are either brothers or cousins.
- b) Bob is Jake's son.
- c) Bob is Jake's father.
- d) They are cousins.
- e) They are brothers.

Answer: a) They are either brothers or cousins.

Bob and Jake have the same grandmother, but we don't have enough information to determine if they are brothers or cousins.

6. Yesterday was which day if Thursday is in three days?

- a) Tuesday
- b) Monday
- c) Sunday
- d) Saturday
- e) Friday

Answer: c) Sunday

Thursday is in three days, so today is Monday. Then yesterday was Sunday.

7. You can spell "vile" by using four letters from "revolution."

- a) True
- b) False

Answer: a) True

8. Adding any two consecutive numbers from 1 - 60 produces which result:

- a) Odd
- b) Even
- c) It depends

Answer: a) Odd

When adding consecutive numbers, one will be odd and one will be even. Whenever you add an odd and an even number, the answer is always an odd number.

9. Determine the correct number that is next in the following series. 3, 5, 9, 17, 33

- a) 85
- b) 65
- c) 55
- d) 40
- e) 38

Answer: b) 65

The difference between the numbers doubles each time, so 33 needs to be increased by 32, which equals 65.

10. What object below does not belong with the others?

- a) Motorcycle
- b) Wagon
- c) Boat
- d) Wheelbarrow
- e) Car

Answer: c) Boat

All of the objects use wheels to move, except for a boat.

11. What body part below does not belong in this group?

- a) Jaw
- b) Skin
- c) Elbow
- d) Knee
- e) Wrist

Answer: b) Skin

The only organ on the list is Skin. The other body parts are joints.

12. Re-arrange the following letters to create a word in English:

C T T H C R A E I

Answer: ARCHITECT

13. Which one of the following letters is the 18th letter of the English alphabet?

- a) S
- b) R
- c) P
- d) K
- e) J

Answer: b) R

14. Carole will be twice Diana's age six years from now. Last year, Carole was nine times Diana's age. What is Carole's age now?

Answer: 10

Six years from now, Carole will be 16 and Diana will be 8. One year ago, Carole was 9 and Diana was 1.

15. Joshua has 35 measuring spoons. One seventh are orange, but some are purple, some are turquoise and some black. Are there 5 orange measuring spoons?

- a) Yes
- b) No

Answer: a) Yes

Joshua has 35 measuring spoons, one seventh are orange. One seventh of 35 is 5.

16. What five-letter word can be placed in front of the following words to create new words?

EGO, STAR, IMPOSE, HERO

Answer: SUPER

Adding the word super creates: superego, superstar, superimpose and superhero.

17. If you add the same word to the beginning of PET and the end of PAR, what two new words do you get?

Answer: SNIP

Snippet and Parsnip.

18. What is the current time if it's five times as long since noon as it was four hours ago?

- a) 16:00
- b) 17:00
- c) 14:00
- d) 12:30
- e) 13:00

Answer: b) 17:00

It's five hours since noon. Four hours ago, at 13:00, it was one hour since noon.

19. Two mail carriers walking from the same street. Walking in opposite directions, they walk 3 meters, make a left turn and walk 3 meters more. Turning left again, they walk another 3 meters. How far are they from each other?

- a) 10 meters
- b) 21 meters
- c) 6 meters
- d) 0 meters
- e) 3 meters

Answer: c) 6 meters

The first 3 meter walk put the two mail carriers 6 meters apart. They turned left and walked 3 more meters. Their final left turn and 3 meter walk took them back 3 meters from where they started, so 6 meters from each other.

20. Using the letters below, what word is formed?

SE
S R
A B
PY

Answer: PASSERBY

Reading clockwise from the P, the letters spell PASSERBY.

21. Is the word count for this sentence fifty-three words?

- a) Yes
- b) No

Answer: b) No

The sentence contains thirty-seven letters.

22. The octagon is equal to 24. Then how many is a pentagon equal to?

- a) 5
- b) 6
- c) 9
- d) 15
- e) 27

Answer: d) 15

Triple the sides in an octagon is 24. Triple the sides in a pentagon is 15.

23. Determine which number is missing from the sequence: 28, 29, 57, 86, __, 229

Answer: 143

The missing number is the sum of the previous two.

24. Re-arrange the letters below to create a word:

E T E T R C A S D

Answer: SCATTERED

25. If QQRRQQQRRQR equals 33113333131 then RQQRRQRQRR is equal to:

- a) 3131313131
- b) 1133113311
- c) 3311331113
- d) 1331131311
- e) 3113313133

Answer: d) 1331131311

If Q equals 3, and R equals 1, then RQQRRQRQRR equals 1331131311.

Test 4 Answers

25 Questions in 6 Minutes



1. If Donny prefers 143 to 144; favors 3500 over 3600; and likes 8 more than 9, of the two numbers below which one would he be inclined to like?

- a) 1500
- b) 1600

Answer: a) 1500

Donny dislikes square numbers.

2. By re-arranging the letters below, you will create the English word:

L E N H C N A

Answer: CHANNEL

3. How many 4s can you find if you count consecutively from 1 to 46?

- a) 14
- b) 12
- c) 11
- d) 10
- e) 8

Answer: b) 12

Counting to 46, all of the numbers containing 4's are: 4, 14, 24, 34, 40, 41, 42, 43, 44 (two 4s in 44), 45, 46

4. The next letter in this string would be?

N P O Q P R Q

Answer: S

The sequence goes up two letters, down one letter, up two, down one, repeat.

5. If there are tootles that are piewickets and all piewickets are jimalongs, then is it possible that some tootles are definitely jimalongs?

- a) Yes
- b) No

Answer: a) Yes

We all know piewickets are jimalongs, and we also know some tootles are piewickets. That means the tootles who are piewickets are definitely jimalongs.

6. If it takes four minutes for six cooks to boil 12 pots of water, how many cooks can boil 8 pots of water in four minutes?

- a) 24
- b) 12
- c) 36
- d) 60
- e) 48

Answer: a) 24

Each cook needs two minutes to boil each pot. 48 pots divided by two minutes is 24 cooks. You could also think of it this way, since the time is four minutes: six cooks can boil 12 pots, so to boil four times as many pots, we need four times as many cooks.

7. One third of one fifth of one half of 600 is equal to what number?

- a) 70
- b) 40
- c) 20
- d) 16
- e) 4

Answer: c) 20

1/2 of 600 is 300. 1/5 of 300 is 60. 1/3 of 60 is 20.

8. Avocado relates to guacamole as tomato relates to_____?

- a) Olive oil
- b) Cheese
- c) Thousand Island dressing
- d) Pumpkin
- e) Marinara

Answer: e) Marinara

Avocados are the main ingredient in guacamole and tomatoes are the main ingredient in marinara.

9. Is 33 minutes after 7 PM the same as 28 minutes before 8 PM? True or False

- a) True
- b) False

Answer: b) False

7:33 is 27 minutes before 8:00

10. Nick and Nora are 12 meters from each other on the Equator. Nora travels 6 meters due East and Nick travels 6 meters due west. Determine how many meters apart they are now.

- a) 24 meters
- b) 12 meters
- c) 0 meters
- d) We don't know

Answer: d) We don't know

The scenario doesn't specify who is standing where at the beginning. If Nora is standing west of Nick, they end up in the same place. If Nick is standing west of Nora, they end up 24 meters apart. Without more information, we don't know for sure.

11. What number below does not belong in the group?

- a) 7
- b) 8
- c) 10
- d) 22
- e) 24

Answer: a) 7

7 is an odd number. The others are even numbers.

12. Unscramble the letters C C I I A P F to spell a/an:

- a) Planet
- b) Ocean
- c) Continent
- d) Country
- e) State

Answer: b) Ocean

Pacific

13. Considering the proverb “A picture is word a thousand words”, which statement below most closely represents a similar meaning.

- a) One word is worth 1/1000 of a picture.
- b) Spend your money wisely.
- c) A picture can be sold for the same amount as 1,000 words.
- d) A picture tells a thorough story.

Answer: d) A picture tells a thorough story.

14. A purple suitcase is 40 pounds. A green suitcase is 25 pounds. A yellow suitcase is 72 pounds. If any two weights are added together, they will total at least 70 pounds.

- a) True
- b) False

Answer: b) False

The purple suitcase and the yellow suitcase weigh 112 pounds and the green suitcase and the yellow suitcase weigh 97 pounds, but the purple suitcase and the green suitcase only weigh 65 pounds.

15. Does “nine thousand, three hundred, forty-one,” written backward read, “Four thousand, one hundred, thirty-nine?” True or False.

- a) True
- b) False

Answer: b) False

9,341 backward is 1,439.

16. Sidney was the 13th customer in line at the burger joint and 13th from the end of the line at the burger joint. How many customers were standing in line?

- a) 40
- b) 39
- c) 26
- d) 25
- e) 24

Answer: d) 25

There were 12 people in front of Sidney and 12 people behind him $12+12=24$, plus Sidney himself, totaling 25.

17. Jerry had \$4 and bought a coffee for \$0.79, a muffin for \$1.69 and a newspaper for \$1.00. Without paying sales tax, what is his change from the \$4?

- a) None
- b) \$0.52
- c) \$0.48
- d) \$1.12
- e) \$1.52

Answer: b) \$0.52

Jerry's total cost was \$3.48. $\$4.00 - \$3.48 = \$0.52$

18. Shonda is shorter than Jackie. Nicki is taller than Shonda. Who is the tallest?

- a) Shonda
- b) Jackie
- c) Nicki
- d) Don't know

Answer: d) Don't know

Shonda is the shortest. The tallest is either Jackie or Nicki, but we don't have enough information to know which one.

19. Can you get a total of 44 by adding any three of the numbers below?

21, 7, 34, 9, 15

- a) Yes
- b) No

Answer: b) No

20. What day of the is the upcoming Sunday if Friday is the second day of the month?

- a) Fifth
- b) Fourth
- c) Sixth
- d) Third

Answer: b) Fourth

21. By adding the odd numbers in the list below, do you get an odd or even sum?
3, 4, 7, 18, 28, 37, 39.

- a) Even
- b) Odd

Answer: a) Even

The list contains four odd numbers. When an even number of odd numbers are added together, the total will always be even.

22. Mitchell had 23 boxes on his truck that had to be moved to the loading dock. Using his forklift, he could take only three at a time. How many trips to the loading dock did Mitchell need to make?

- a) 6
- b) 4
- c) 8
- d) 9
- e) 7

Answer: c) 8

Three boxes per trip allows Mitchell to deliver 21 boxes in seven trips. Mitchell has to take an eighth trip to deliver the last two boxes.

23. Considering the standard computer keyboard, you can type “typewriter” using only one row of keys. True or False.

- a) True
- b) False

Answer: a) True

The top row of letters on a computer keyboard contains all the letters to type “typewriter”.

24. If you place what four-letter word before the words below you will create a new word?

PRINT, SHAKE, WRITE, STAND, CUFF

Answer: HAND

Add the word hand to create the words: handprint, handshake, handwrite, handstand and handcuff.

25. Art relates to wall as cup relates to:

- a) Nail
- b) Coffee
- c) Rim
- d) Cupboard
- e) Handle

Answer: d) Cupboard

A wall holds art and a cupboard holds cups.

Grading Scale

Number Correct	Percentile
0	1st
1	1st
2	2nd
3	3rd
4	4th
5	6th
6	10th
7	16th
8	23rd
9	31st
10	41st
11	51st
12	62nd
13	71st
14	80th
15	86th
16	91st
17	95th
18	97th
19	98th
20	99th
21	99th
22	99th
23	99th
24	99th
25	99th