

ANSWERS AND EXPLANATIONS

1. Which of the five makes the best comparison?

YZZZYZZY is to ZZ1121212 as YZZZYZZY is to:

ZZ1221122 22112122 22112112 112212211 212211212

- (a) (b) (c) (d) (e)

Answer: **C** Substitute numbers for letters: Y = 2, Z = 1.

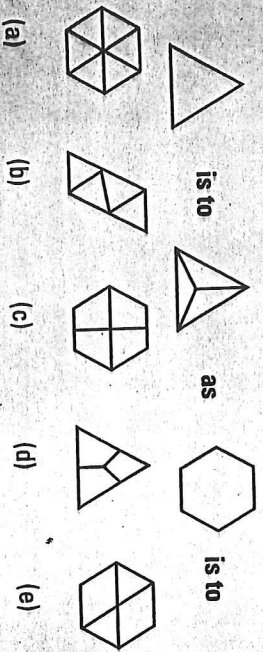
2. Which of the five is least like the other four?

NICKEL TIN STEEL IRON COPPER

- (a) (b) (c) (d) (e)

Answer: **C** (Steel) The others are simple metals; steel is an alloy (combination of two metals).

3. Which of the five designs makes the best comparison?



Answer: **A** The six-sided hexagon is divided into six equal parts by lines drawn from its outside vertices, just as the three-sided triangle is divided into three equal parts by lines drawn from its outside vertices.

4. Which of the five designs is least like the other four?

N A V H F

- (a) (b) (c) (d) (e)

Answer: **C** All the others are made with three lines; V is made with two lines.

5. Jerry received both the 15th highest and the 15th lowest mark in the class. How many students are in the class?

- 15 25 29 30 32
- (a) (b) (c) (d) (e)

Answer: **C** There are 14 students higher and 14 students lower. Jerry is the 29th student, the one in the middle.

6. Which of the five is least like the other four?

DICTIONARY BIOGRAPHY ATLAS ALMANAC DIRECTORY

(a) (b) (c) (d) (e)

Answer: **B** All the others are reference books. A biography is a narrative.

7. Which of the five is least like the other four?

A Z F N H

- (a) (b) (c) (d) (e)

Answer: **A** The others are consonants; A is a vowel.

8. Which of the five makes the best comparison?

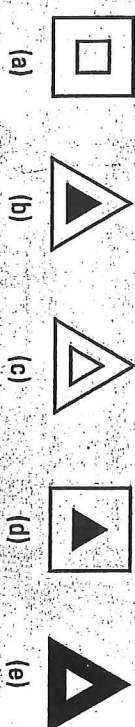
Foot is to hand as leg is to:

ELBOW PIANO TOE FINGER ARM

- (a) (b) (c) (d) (e)

Answer: **E** A foot is attached to a leg; a hand is attached to an arm.

9. Which of the five designs makes the best comparison?



Answer: **B** The square changes to a triangle and the shading is reversed.

10. If all Ferpies are Worgs and no Worgs are Sprickles, then no Sprickles are definitely Ferpies.

This statement is definitely:

TRUE FALSE NEITHER

- (a) (b) (c)

Answer: **A** Example: If all dogs are animals and no animals are plants, then no plants are definitely dogs.

11. Of the following numbers, which one is least like the others?

1 3 5 7 11 13 15 17 19

Answer: **15** The others are prime numbers—they can be divided only by themselves and 1. Fifteen is not a prime number. It can be divided by itself, 1, 3, and 5.

12. Which of the five designs is least like the other four?

D G C P R

- (a) (b) (c) (d) (e)

Answer: **C** The others are all made from a straight line and a curve. C is only a curve.

19. Which of the five makes the best comparison?

Love is to hate as valor is to:

- COURAGE SECURITY COWARDICE ANGER TERROR**
- (a) (b) (c) (d) (e)

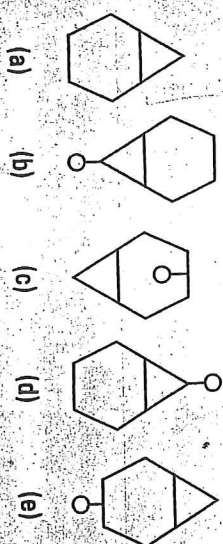
Answer: **C** Love is the opposite of hate. Valor is the opposite of cowardice.

20. The price of an article was cut 50% for a sale. By what percent must the item be increased to again sell at the original price?

- 25% 50% 75% 100% 200%**
- (a) (b) (c) (d) (e)

Answer: **D** Example: A \$20.00 item cut 50% will sell for \$10.00. To again sell for \$20.00, the item must be increased by \$10.00, which is 100% of \$10.00.

21. Which of the five designs makes the best comparison?



Answer: **E** The position of the geometric figures is reversed. The line figuration remains on the same side of the configuration, but is reversed.

22. Which of the five is least like the other four?

- SQUASH PUMPKIN TOMATO CUCUMBER CORN**
- (a) (b) (c) (d) (e)

Answer: **E** Corn. The others grow on vines. Corn grows on a stalk.

23. Which of the five makes the best comparison?

Hole is to donut as pages are to:

- STORY WORDS CONTENTS INDEX COVER**
- (a) (b) (c) (d) (e)

Answer: **E** The hole is inside the doughnut, and the pages are inside the cover.

24. Kim was sent to the store to get 11 large cans of fruit. Kim could carry only 2 cans at a time. How many trips to the store did Kim have to make?

- 5 5 1/2 6 6 1/2 7**
- (a) (b) (c) (d) (e)

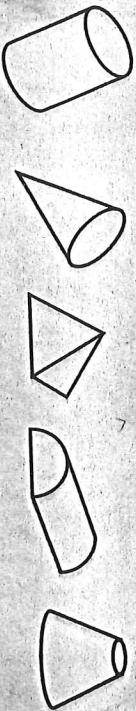
Answer: **C** $11 \div 2 = 5\frac{1}{2}$. It takes 6 trips; a half trip won't get the last can home.

13. Terry is older than Mark and Sam is younger than Terry. Which of the following statements is most accurate?

- (a) Sam is older than Mark.
 (b) Sam is younger than Mark.
 (c) Sam is as old as Mark.
 (d) It is impossible to tell whether Sam or Mark is older.

Answer: **D** Without more information it is impossible to tell. We only know that both Mark and Sam are younger than Terry.

14. Which of the five designs is least like the other four?



- (a) (b) (c) (d) (e)

Answer: **C** It is made with only straight lines. The others are made with straight lines and curves.

15. Which of the five makes the best comparison?

Leap is to peal as 8326 is to:

- 2368 6283 2683 6328 3628
 (a) (b) (c) (d) (e)

Answer: **D** Substitute numbers for letters: L = 8, E = 3, A = 2, P = 6. Peal = 6328.

16. Anne received \$0.59 change from a supermarket purchase. Of the eleven coins she received in change, three were exactly alike. These three coins had to be:

- PENNIES NICKELS DIMES QUARTERS HALF DOLLARS
 (a) (b) (c) (d) (e)

Answer: **B** Four dimes, three nickels, and four pennies is the only solution.

17. Which of the five is least like the other four?

- PECK OUNCE PINT CUP QUART
 (a) (b) (c) (d) (e)

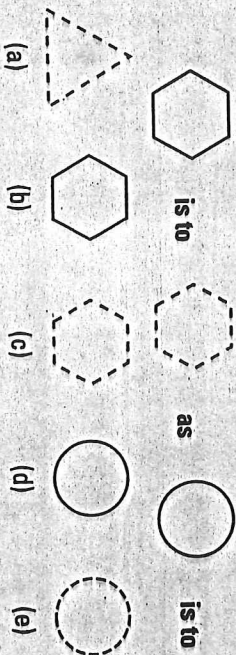
Answer: **A** Peck is the only dry measure; the others measure both liquid and dry quantities.

18. Three enemy messages were intercepted at communications headquarters. The code was broken, and it was found that "Berok tenlis kruz" means "Secret attack Wednesday" and "Baroom zax tenlis" means "Secret Wednesday" and "Gradnor berok pill elan" means "plans included" and "Gradnor berok pill elan" means "Wednesday victory is ours." What does "kruz" mean?

- SECRET WEDNESDAY NOTHING ATTACK PLANS
 (a) (b) (c) (d) (e)

Answer: **D** tenlis = secret; berok = Wednesday; kruz = attack

25. Which of the five designs makes the best comparison?



Answer: **E** It is a comparison of the same figure, solid to broken line.

26. If all Pleeps are Floops and all Floops are Leepies, then all Pleeps are definitely Leepies.

This statement is definitely:

TRUE FALSE NEITHER

(a) (b) (c)

Answer: **A** Example: "If all dogs are mammals and all mammals are animals, then all dogs are definitely animals."

27. Which of the five designs is least like the other four?

X T N V L

(a) (b) (c) (d) (e)

Answer: **C** All the others are made with two lines; N is made with three lines.

28. Jim, John, Jerry, and Joe together bought a basket of 144 apples. Jim received 10 more apples than John, 26 more than Jerry, and 32 more than Joe. How many apples did Jim receive?

73 63 53 43 27

(a) (b) (c) (d) (e)

Answer: **C** Jim received 53. John received $53 - 10$ or 43. Jerry received $53 - 26$ or 27. Joe received $53 - 32$ or 21. $53 + 43 + 27 + 21 = 144$. This problem may be solved algebraically as well.

29. Which of the five is least like the other four?

TOUCH SEE HEAR EAT SMELL

(a) (b) (c) (d) (e)

Answer: **D** The others are senses; eating is a body function.

30. Which of the five makes the best comparison?

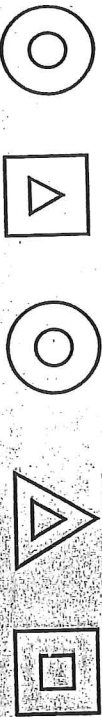
Daughter is to father as niece is to:

NEPHEW COUSIN UNCLE MOTHER BROTHER

(a) (b) (c) (d) (e)

Answer: **C** Daughter is the female child of father; niece is the female child of uncle.

31. Which of the five designs is least like the other four?



- (a) (b) (c) (d) (e)

Answer: **B** The small figure inside the other figures is the same as the large figure it is inside.

32. Which number does not belong in the following series?

- 4 5 8 10 11 16 19 32 36

Answer: **11** The order is plus one, double the first figure, plus two, double the third figure, plus three, double the fifth figure, plus four.

33. Which of the five makes the best comparison?

Bark is to tree as scales are to:

- GILLS ELEPHANT BUTCHER FISH SKIN

- (a) (b) (c) (d) (e)

Answer: **D** Bark is on the outside of a tree; scales are on the outside of a fish.

34. Which if the five is least like the other four?

- TURKEY DUCK CHICKEN PHEASANT GOOSE
- (a) (b) (c) (d) (e)

Answer: **D** The others are or can be domesticated; pheasant is wild.

35. The secher vlooped quaply berak the kriggly lool. Then the secher _____ flaxly down the kleek.

Which word belongs in the space?

- VLOOPED QUAPLY BERAK LOOL KRIGGLY
- (a) (b) (c) (d) (e)

Answer: **A** A verb must go in the space. Example: The teacher walked quickly toward the open door. Then the teacher walked quickly down the hall.

36. The fish has a head 9 inches long. The tail is equal to the size of the head plus one-half the size of the body. The body is the size of the head plus the tail. How long is the fish?

- 27 inches 54 inches 63 inches 72 inches 81 inches
- (a) (b) (c) (d) (e)

Answer: **D** The head is 9 inches. The tail is 18 inches + 9 inches = 27 inches. The body is 9 inches + 19 inches + 9 inches = 36 inches. 9 inches + 27 inches + 36 inches = 72 inches. This may be solved algebraically as well.

37. Which of the five designs is least like the other four?



- (a) (b) (c) (d) (e)

Answer: **E** All the other figures are symmetrical.

38. If you rearrange the letters in "NAICH," you would have the name of a(n):

- | COUNTRY | OCEAN | STATE | CITY | ANIMAL |
|---------|-------|-------|------|--------|
| (a) | (b) | (c) | (d) | (e) |

Answer: **A** "NAICH" = "CHINA."

39. Jack is 15 years old, three times as old as his sister. How old will Jack be when he is twice as old as his sister?

- | | | | | |
|-----|-----|-----|-----|-----|
| 18 | 20 | 24 | 26 | 30 |
| (a) | (b) | (c) | (d) | (e) |

Answer: **B** Jack is ten years older than his sister. In five years Jack will be 20, and his sister who is now 5 will be 10.

40. Which of the five designs makes the best comparison?



- (a) (b) (c) (d) (e)

Answer: **C** The square is a direct frontal view of the cube that is then seen from the right. The triangle is a direct frontal view of the pyramid then seen from the right.

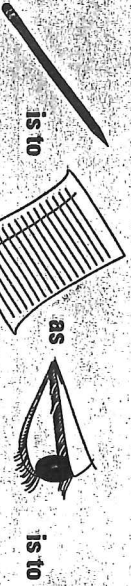
41. Slok are more zitful than mulk, but pringling flex are most _____ of all.

Which word belongs in the blank space?

- | SLOK | ZITFUL | MULK | PRINGLING | FLEX |
|------|--------|------|-----------|------|
| (a) | (b) | (c) | (d) | (e) |

Answer: **B** An adverb is required. Example: Nickels are more valuable than pennies, but twenty dollars are most valuable of all.

42. Which of the five makes the best comparison?



- (a) (b) (c) (d) (e)

Answer: **C** A person uses a pencil for the purpose of writing; a person uses an eye for the purpose of reading.

43. If you rearrange the letters in "SHORE," you would have the name of a(n):

- | COUNTRY | OCEAN | STATE | CITY | ANIMAL |
|---------|-------|-------|------|--------|
| (a) | (b) | (c) | (d) | (e) |

Answer: **E** "SHORE" = "HORSE."

44. Which number does not belong in the following series?

- 1 3 5 7 9 11 12 13 15

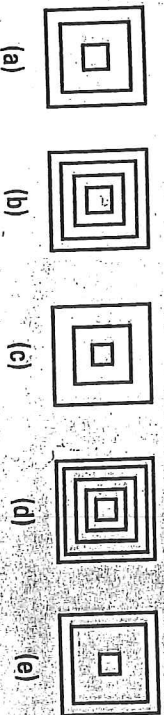
Answer: **12** The series is made from counting by twos.

45. Which of the five makes the best comparison?

- Gas is to car as food is to:
- | | | | | |
|-------|---------|--------|------|-------|
| MOUTH | STOMACH | ENERGY | BODY | TEETH |
| (a) | (b) | (c) | (d) | (e) |

Answer: **D** Gas provides energy for a car; food provides energy for a body.

46. Which of the five designs is least like the other four?



Answer: **B** All the others have an odd number of squares; B has an even number.

47. Which of the five is least like the other four?

- | | | | | |
|---------|--------|--------|--------|--------|
| WICHITA | DALLAS | CANTON | BANGOR | FRESNO |
| (a) | (b) | (c) | (d) | (e) |

Answer: **A** All the others have six letters; Wichita has seven.

48. If some Tripples are Tropples and all Bolars are Tropples, then some Tripples are definitely Bolars.

This statement is:

TRUE

FALSE

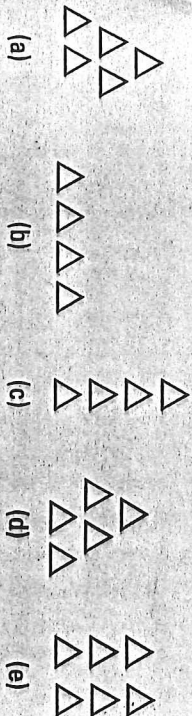
NEITHER

(a)

(c)

Answer: **B** Example: "If some cars are green and all leaves are green, then some cars are definitely leaves."

49. Which of the five designs makes the best comparison?



Answer: **E** Four figures change into four figures. Six figures change into six figures.

50. Which of the five makes the best comparison?

Sack is to sad as turn is to:

TACK

UP

TURF

BURN

TOY

(a)

(b)

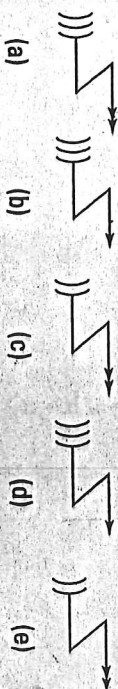
(c)

(d)

(e)

Answer: **B** Sad can be combined with sack to make the word "sadsack." Up can be combined with turn to make the word "upturn."

51. Which of the five designs is least like the other four?



Answer: **A** It does not have a twin.

52. Which letter does not belong in the following series?

B E H K M N Q T

Answer: **M** The series is made up of every fourth letter of the alphabet starting with B.

53. Which of the five makes the best comparison?

Pillow is to pillowcase as arm is to:

BODY

SLEEVE

HAND

GLOVE

RING

(a)

(b)

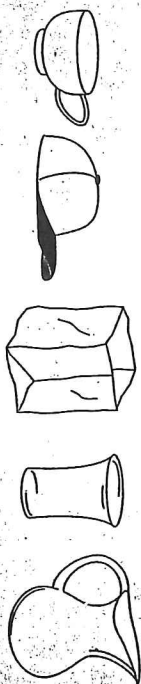
(c)

(d)

(e)

Answer: **B** A pillow fits inside a pillowcase. An arm fits inside a sleeve.

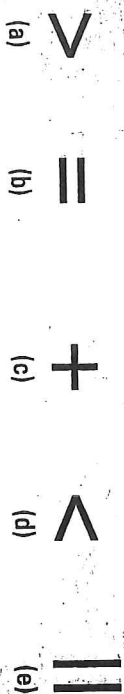
54. Which of the five is least like the other four?



- (a) (b) (c) (d) (e)

Answer: **B** All the others hold something inside. The cap fits on top of a head.

55. Which of the five is least like the other four?



Answer: **C** The others all show mathematical relationships. + is a mathematical operation.

56. If all Truples are Glogs and some Glogs are Glips, then some Truples are definitely Glips.

This statement is:

TRUE FALSE NEITHER

- (a) (b) (c)

Answer: **B** Example: "If all cats are animals and some animals are dogs, then some cats are definitely dogs."

57. If you rearrange the letters in "TALCATIN," you would have the name of a:

COUNTRY	OCEAN	STATE	CITY	ANIMAL
(a)	(b)	(c)	(d)	(e)

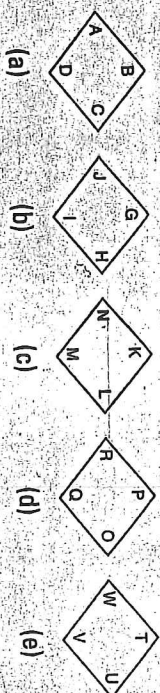
Answer: **B** "TALCATIN" = "ATLANTIC."

58. Which of the five is least like the other four?

ARTIST	GOLFER	NEWSCASTER	DANCER	MECHANIC
(a)	(b)	(c)	(d)	(e)

Answer: **C** All the others must use their hands and/or body but not words to perform their jobs. The newscaster must use words.

59. Which of the five does not belong in the series?



Answer: **D** The others have a sequence of letters in alphabetical order starting at the top and going clockwise.

60. Which of the five is least like the other four?

WATER	SUN	GASOLINE	WIND	CEMENT
(a)	(b)	(c)	(d)	(e)

Answer: **E** The others can all be used as sources of energy.