

#1 NUMBER SENSE Easy

What is the value of the digit 7 in the number 4,372?

 **Place Value:** ones → tens → hundreds → thousands. Count from the right.

A 7

B 70

C 700

D 7,000

#2 NUMBER SENSE Easy

Which of the following is the greatest? 0.8, 0.08, 0.81, 0.079

 **Comparing Decimals:** Align decimal points and compare digit by digit from left to right.

A 0.8

B 0.08

C 0.81

D 0.079

#3 NUMBER SENSE Easy

Round 4,856 to the nearest hundred.

 **Rounding:** Look at the tens digit. If ≥ 5 , round up; if < 5 , round down.

A 4,800

B 4,900

C 5,000

D 4,860

#4 NUMBER SENSE Medium

What is the absolute value of -15?

 **Absolute Value $|x|$:** The distance from zero on a number line. Always ≥ 0 .

A -15

B 15

C -1/15

D 0

#5 NUMBER SENSE Easy

Which number is a prime number?

 **Prime:** A number > 1 with exactly two factors: 1 and itself.

A 21

B 25

C 29

D 27

#6 NUMBER SENSE Medium

What is the LCM of 4 and 6?

 **LCM:** Least Common Multiple — the smallest number both divide into evenly.

A 2

B 12

C 24

D 8

#7 NUMBER SENSE Medium

What is the GCF of 18 and 24?

 **GCF:** Greatest Common Factor — the largest number that divides both evenly.

A 3

B 4

C 6

D 12

#8 NUMBER SENSE Hard

Which expression represents the number 340,000 in scientific notation?

 **Scientific Notation:** $a \times 10^n$ where $1 \leq a < 10$.

A 34×10^4

B 3.4×10^5

C 0.34×10^6

D 34×10^3

Integers

8 problems

#9 INTEGERS Easy

What is $(-8) + (-5)$?

 **Adding Negatives:** Same sign $\rightarrow$ add the values, keep the sign.

A -13

B 13

C 3

D -3

#10 INTEGERS Easy

What is $6 - (-4)$?

 **Subtracting Negatives:** Subtracting a negative = adding a positive.

A 2

B -10

C 10

D -2

#11 INTEGERS Easy

What is $(-3) \times (-7)$?

 **Sign Rules:** Negative $\times$ Negative = Positive.

A -21

B 21

C -10

D 10

#12 INTEGERS Easy

What is $(-36) \div 6$?

 **Sign Rules:** Negative $\div$ Positive = Negative.

A 6

B -6

C 30

D -30

#13 INTEGERS Medium

Which statement is true about -3 and -8?

 **Number Line:** Numbers to the right are greater. Negative numbers closer to 0 are greater.

A $-3 < -8$

B $-8 > -3$

C $-3 > -8$

D They are equal

#14 INTEGERS Medium

What is $|-7| - |-3|$?

 **Absolute Value first:** Evaluate $|-7| = 7$ and $|-3| = 3$, then subtract.

A -4

B 4

C 10

D -10

#15 INTEGERS Medium

A football team loses 5 yards on one play and gains 12 yards on the next. What is the net change?

 **Integer Context:** Loss = negative, Gain = positive. Add them together.

A -7 yards

B 7 yards

C 17 yards

D -17 yards

#16 INTEGERS Hard

What is $(-2)^3$?

 **Negative Exponents:** $(-2)^3 = (-2)(-2)(-2)$. Count the negative signs.

A 8

B -8

C 6

D -6

Fractions

9 problems

#17 FRACTIONS Easy

What is $\frac{1}{2} + \frac{1}{3}$?

 **Adding Fractions:** Find the LCD (Least Common Denominator), then add numerators.

A $\frac{2}{5}$

B $\frac{5}{6}$

C $\frac{2}{6}$

D $\frac{3}{5}$

#18 FRACTIONS Easy

Which fraction is equivalent to $\frac{3}{4}$?

 **Equivalent Fractions:** Multiply or divide numerator and denominator by the same number.

A $\frac{6}{10}$

B $\frac{9}{12}$

C $\frac{4}{5}$

D $\frac{2}{3}$

#19 FRACTIONS Easy

What is $\frac{3}{4} \times 8$?

 **Fraction $\times$ Whole Number:** Multiply the numerator by the whole number, keep denominator.

A 6

B 24

C 3

D 8

#20 FRACTIONS Medium

What is $2\frac{1}{3} + 1\frac{1}{2}$?

 **Mixed Numbers:** Add whole parts separately, then add the fractions (find LCD).

A $3\frac{5}{6}$

B $3\frac{2}{3}$

C $4\frac{1}{6}$

D $3\frac{4}{5}$

#21 FRACTIONS Medium

What is $4 \div \frac{2}{3}$?

 **Dividing by a Fraction:** Multiply by the reciprocal. $a \div \frac{b}{c} = a \times \frac{c}{b}$.

A $\frac{8}{3}$

B 6

C 8

D $2\frac{2}{3}$

#22 FRACTIONS Medium

Simplify $18/24$.

 **Simplifying:** Divide both numerator and denominator by their GCF.

A $3/4$

B $9/12$

C $6/8$

D $2/3$

#23 FRACTIONS Medium

What is $5/6 - 1/4$?

 **Subtracting Fractions:** LCD of 6 and 4 is 12. Convert both fractions.

A $4/2$

B $7/12$

C $2/3$

D $1/2$

#24 FRACTIONS Hard

A recipe needs $2\frac{1}{4}$ cups of flour. If you make 3 batches, how much flour do you need?

 **Mixed Number Multiplication:** Convert to improper fraction first: $2\frac{1}{4} = 9/4$.

A $6\frac{3}{4}$

B $6\frac{1}{4}$

C 7

D $5\frac{3}{4}$

#25 FRACTIONS Hard

Order from least to greatest: $5/8$, $2/3$, $7/12$

 **Comparing Fractions:** Convert to a common denominator (LCD = 24).

A $5/8 < 2/3 < 7/12$

B $7/12 < 5/8 < 2/3$

C $5/8 < 7/12 < 2/3$

D $2/3 < 5/8 < 7/12$

#26 DECIMALS Easy

What is $3.6 + 1.47$? **Adding Decimals:** Align decimal points, then add like whole numbers.

A 4.83

B 5.07

C 4.93

D 5.17

#27 DECIMALS Easy

What is 0.4×0.3 ? **Multiplying Decimals:** Multiply as whole numbers ($4 \times 3 = 12$), then count total decimal places ($1 + 1 = 2$).

A 0.12

B 1.2

C 0.012

D 12

#28 DECIMALS Medium

What is $7.2 \div 0.9$? **Dividing Decimals:** Multiply both by 10 to remove the decimal: $72 \div 9$.

A 0.8

B 0.08

C 8

D 80

#29 DECIMALS Easy

Convert 0.75 to a fraction in simplest form.

 **Decimal to Fraction:** $0.75 = 75/100$. Then simplify by dividing by GCF.

A $\frac{3}{4}$

B $\frac{7}{5}$

C $\frac{7}{10}$

D $\frac{3}{5}$

#30 DECIMALS Medium

Convert $\frac{3}{8}$ to a decimal.

 **Fraction to Decimal:** Divide the numerator by the denominator: $3 \div 8$.

A 0.38

B 0.375

C 0.35

D 3.8

#31 DECIMALS Medium

What is $5.4 - 2.87$?

 **Subtracting Decimals:** Write 5.4 as 5.40, then subtract.

A 2.47

B 2.53

C 3.47

D 2.43

#32 DECIMALS Hard

A book costs \$12.45. Sam has \$20. How much change does he get?

 **Money Subtraction:** $\$20.00 - \12.45 . Borrow carefully.

A \$7.45

B \$8.55

C \$7.55

D \$8.45

#33 RATIOS & PROPORTIONS Easy

In a class of 30 students, 12 are boys. What is the ratio of boys to girls?

 **Ratios:** Girls = $30 - 12 = 18$. Write ratio as boys : girls, then simplify.

A 2:3

B 3:2

C 2:5

D 12:30

#34 RATIOS & PROPORTIONS Easy

If a car travels 150 miles in 3 hours, what is its unit rate (miles per hour)?

 **Unit Rate:** Divide total miles by total hours.

A 45 mph

B 50 mph

C 55 mph

D 60 mph

#35 RATIOS & PROPORTIONS Medium

Solve the proportion: $\frac{3}{5} = \frac{x}{20}$

 **Cross Multiply:** $3 \times 20 = 5 \times x \rightarrow 60 = 5x \rightarrow x = ?$

A 10

B 12

C 15

D 4

#36 RATIOS & PROPORTIONS Medium

A map scale is 1 inch = 50 miles. If two cities are 3.5 inches apart on the map, how far apart are they?

 **Scale Proportion:** Set up: $1/50 = 3.5/x$. Solve for x .

A 150 miles

B 175 miles

C 180 miles

D 200 miles

#37 RATIOS & PROPORTIONS Medium

If 4 pens cost \$2.80, how much do 7 pens cost?

 **Proportional Reasoning:** Unit price = $2.80 \div 4$. Multiply by 7.

A \$4.20

B \$4.80

C \$4.90

D \$5.00

#38 RATIOS & PROPORTIONS Hard

A recipe uses 2 cups of sugar for every 5 cups of flour. How many cups of sugar are needed for 15 cups of flour?

 **Proportions:** $2/5 = x/15$. Cross multiply.

A 5

B 6

C 7

D 8

Two numbers are in the ratio 3:7. Their sum is 50. What is the larger number?

 **Part-Whole Ratios:** 3 parts + 7 parts = 10 parts. Each part = $50 \div 10 = 5$.

A 15

B 21

C 35

D 25

Percents

8 problems

What is 30% of 80?

 **Percent of a Number:** Convert % to decimal ($30\% = 0.30$) and multiply.

A 24

B 240

C 2.4

D 30

What percent of 200 is 50?

 **Finding the Percent:** $(\text{Part} \div \text{Whole}) \times 100 = \text{percent}$.

A 10%

B 20%

C 25%

D 40%

#42 PERCENTS Medium

Convert 0.065 to a percent.

 **Decimal to Percent:** Multiply by 100 (move decimal 2 places right).

A 0.65%

B 6.5%

C 65%

D 0.065%

#43 PERCENTS Medium

A shirt costs \$40. It is on sale for 25% off. What is the sale price?

 **Percent Discount:** Discount = 25% × \$40. Sale price = original – discount.

A \$10

B \$30

C \$25

D \$35

#44 PERCENTS Medium

15 is 60% of what number?

 **Finding the Whole:** Part = Percent × Whole → $15 = 0.60 \times W \rightarrow W = 15/0.60$.

A 25

B 20

C 9

D 30

#45 PERCENTS Medium

A price increased from \$50 to \$60. What is the percent increase?

 **Percent Change:** (Change ÷ Original) × 100 = percent change.

A 10%

B 15%

C 20%

D 25%

#46 PERCENTS Hard

Sales tax is 8%. What is the total cost of an item priced at \$35?

 **Tax:** Tax = $8\% \times \$35$. Total = price + tax.

A \$37.00

B \$37.80

C \$38.00

D \$42.80

#47 PERCENTS Hard

After a 20% discount, a jacket costs \$64. What was the original price?

 **Reverse Percent:** Sale price = 80% of original. Original = $64 \div 0.80$.

A \$76.80

B \$80

C \$76

D \$84

Exponents & Roots

7 problems

#48 EXPONENTS & ROOTS Easy

What is 3^4 ?

 **Exponents:** $3^4 = 3 \times 3 \times 3 \times 3$. Multiply step by step.

A 12

B 64

C 81

D 27

#49 EXPONENTS & ROOTS Easy

What is $\sqrt{49}$?

 **Square Root:** Find the number that multiplied by itself gives 49.

A 6

B 7

C 8

D 24.5

#50 EXPONENTS & ROOTS Medium

What is 2^5 ?

 **Powers of 2:** $2^1=2$, $2^2=4$, $2^3=8$, $2^4=16$, $2^5=?$

A 10

B 25

C 32

D 64

#51 EXPONENTS & ROOTS Medium

Which expression equals $x^2 \cdot x^3$?

 **Product of Powers:** When multiplying same base, add the exponents.

A x^6

B x^5

C $2x^5$

D x^6

#52 EXPONENTS & ROOTS Medium

What is $\sqrt{16/25}$?

 **Root of a Fraction:** $\sqrt{a/b} = \sqrt{a} / \sqrt{b}$.

A $4/5$

B $2/5$

C $4/25$

D $8/10$

#53 EXPONENTS & ROOTS Hard

Simplify: $(2^3)^2$

 **Power of a Power:** $(a^m)^n = a^{(m \times n)}$.

A 2^5

B 2^6

C 4^6

D 8^2

#54 EXPONENTS & ROOTS Hard

Between which two consecutive integers does $\sqrt{50}$ lie?

 **Estimating Roots:** Find perfect squares on either side: $\sqrt{49} = 7$, $\sqrt{64} = 8$.

A 6 and 7

B 7 and 8

C 8 and 9

D 5 and 6

Order of Operations

6 problems

#55 ORDER OF OPERATIONS Easy

Evaluate: $3 + 2 \times 5$

 **PEMDAS:** Multiplication before Addition. Do 2×5 first.

A 25

B 13

C 10

D 17

#56 ORDER OF OPERATIONS Easy

Evaluate: $(3 + 2) \times 5$

💡 **PEMDAS:** Parentheses first, then multiply.

A 25

B 13

C 10

D 17

#57 ORDER OF OPERATIONS Medium

Evaluate: $18 \div 3 + 2^2 \times 3$

💡 **PEMDAS:** Exponents, then Division/Multiplication (left to right), then Addition.

A 18

B 24

C 10

D 22

#58 ORDER OF OPERATIONS Medium

Evaluate: $5 \times (8 - 3) - 4^2$

💡 **PEMDAS:** Parentheses → Exponents → Multiply → Subtract.

A 9

B -9

C 25

D -11

#59 ORDER OF OPERATIONS Hard

Evaluate: $3^2 + (10 - 4) \div 2 \times 3$

💡 **PEMDAS:** Parentheses first, then exponents, then $\times$ and $\div$ left to right, then $+$.

A 18

B 12

C 24

D 9

#60

ORDER OF OPERATIONS

Hard

Which expression has the same value as $4 + 3^2 \times 2$?



Evaluate first: $3^2=9$, $9 \times 2=18$, $4+18=22$. Find the matching value.

A $(4+3^2) \times 2$

B $4 + (3^2 \times 2)$

C $(4+3)^2 \times 2$

D $4 \times 3^2 + 2$

Algebraic Expressions

7 problems

#61

ALGEBRAIC EXPRESSIONS

Easy

Simplify: $3x + 5x$



Like Terms: Terms with the same variable can be added. Add the coefficients.

A $8x$

B $15x$

C $8x^2$

D $3x + 5x$

#62

ALGEBRAIC EXPRESSIONS

Easy

Evaluate $2x - 3$ when $x = 5$.



Substitution: Replace x with 5, then follow order of operations.

A 7

B 2

C 13

D 10

#63 ALGEBRAIC EXPRESSIONS Medium

Simplify: $4x + 3 - 2x + 7$

 **Combining Like Terms:** Group x-terms together and constants together.

A $2x + 10$

B $6x + 10$

C $2x + 4$

D $6x + 4$

#64 ALGEBRAIC EXPRESSIONS Medium

What is the coefficient of x in $-5x + 8$?

 **Coefficient:** The number multiplied by the variable. Watch the negative sign!

A 5

B -5

C 8

D 1

#65 ALGEBRAIC EXPRESSIONS Medium

Use the distributive property to expand: $3(x + 4)$

 **Distributive Property:** $a(b + c) = ab + ac$. Multiply 3 by each term inside.

A $3x + 4$

B $x + 12$

C $3x + 12$

D $3x + 7$

#66 ALGEBRAIC EXPRESSIONS Hard

Simplify: $2(3x - 5) + 4x$

 **Distribute first:** $2(3x - 5) = 6x - 10$. Then combine with $4x$.

A $10x - 5$

B $10x - 10$

C $6x - 10$

D $9x - 5$

Write an expression for: *five less than twice a number n .*

 **Translating Words:** 'Twice a number' = $2n$. 'Five less than' = subtract 5 from it.

A $5 - 2n$

B $2n + 5$

C $2n - 5$

D $n/2 - 5$

Equations

9 problems

Solve for x : $x + 7 = 15$

 **One-Step Equation:** Subtract 7 from both sides.

A 22

B 8

C -8

D 7

Solve: $3x = 21$

 **One-Step Equation:** Divide both sides by 3.

A 7

B 63

C 18

D 3

#70 EQUATIONS Easy

Solve: $x/4 = 9$

💡 **One-Step Equation:** Multiply both sides by 4.

A 36

B 2.25

C 13

D 5

#71 EQUATIONS Medium

Solve: $2x - 5 = 11$

💡 **Two-Step Equation:** Step 1: Add 5 to both sides. Step 2: Divide by 2.

A 3

B 6

C 8

D 16

#72 EQUATIONS Medium

Solve: $3x + 4 = 19$

💡 **Two-Step Equation:** Subtract 4 first, then divide by 3.

A 5

B $23/3$

C 4

D 7

#73 EQUATIONS Medium

Solve: $5x - 2 = 3x + 8$

💡 **Variables on Both Sides:** Move x-terms to one side: subtract $3x$ from both sides.

A 5

B 4

C 3

D 6

#74 EQUATIONS Hard

If $4(x - 2) = 20$, what is x ?

 **Distribute or Divide First:** Divide both sides by 4 first: $x - 2 = 5$.

A 4

B 5

C 7

D 6

#75 EQUATIONS Hard

Write and solve: A number is tripled and then decreased by 9 to get 18. Find the number.

 **Writing Equations:** Let n = the number. Write: $3n - 9 = 18$.

A 3

B 6

C 9

D 27

#76 EQUATIONS Hard

Solve: $x/3 + 4 = 9$

 **Two-Step with Fraction:** Subtract 4 from both sides first, then multiply by 3.

A 15

B 39

C 5

D 13

Inequalities

6 problems

#77 INEQUALITIES Easy

Which value of x satisfies $x + 3 > 8$?

 **Solving Inequalities:** Work like equations. Subtract 3: $x > 5$.

A $x = 5$

B $x = 4$

C $x = 6$

D $x = 3$

#78 INEQUALITIES Medium

Solve: $2x - 1 \leq 9$

 **Inequality:** Add 1 to both sides, then divide by 2.

A $x \leq 5$

B $x \leq 4$

C $x \leq 8$

D $x \leq 10$

#79 INEQUALITIES Medium

When solving $-3x > 12$, which direction does the inequality flip?

 **Key Rule:** When you divide or multiply an inequality by a negative number, FLIP the sign.

A It stays the same

B It flips to $<$

C It flips to $\leq$

D The variable disappears

#80 INEQUALITIES Medium

Solve: $-4x \geq 20$

 **Negative Divisor:** Divide both sides by -4 and FLIP the inequality sign.

A $x \geq -5$

B $x \leq -5$

C $x \geq 5$

D $x \leq 5$

#81 INEQUALITIES Hard

Which number line description matches $x > -2$?

 **Number Line:** Open circle ($\circ$) means not included ($>$, $<$). Shaded to the RIGHT for $>$.

A Open circle at -2 , shaded left

B Closed circle at -2 , shaded right

C Open circle at -2 , shaded right

D Closed circle at -2 , shaded left

#82 INEQUALITIES Hard

A student needs at least 80 points to pass. They scored 65 points on two quizzes combined. What is the minimum score needed on the third quiz?

 **Inequality Setup:** $65 + x \geq 80$. Solve for x .

A $x \geq 15$

B $x > 15$

C $x = 15$

D $x \geq 145$

Geometry

9 problems

#83 GEOMETRY Easy

What is the perimeter of a rectangle with length 8 cm and width 5 cm?

 **Perimeter:** $P = 2l + 2w$, or $P = 2(l + w)$.

A 13 cm

B 26 cm

C 40 cm

D 16 cm

#84 GEOMETRY Easy

What is the area of a triangle with base 10 cm and height 6 cm?

 **Area of Triangle:** $A = \frac{1}{2} \times \text{base} \times \text{height}$.

A 60 cm²

B 30 cm²

C 16 cm²

D 120 cm²

#85 GEOMETRY Medium

A circle has radius 7 cm. What is its circumference? (Use $\pi \approx 3.14$)

 **Circumference:** $C = 2\pi r$.

A 21.98 cm

B 43.96 cm

C 153.86 cm

D 14π cm

#86 GEOMETRY Medium

What is the area of a circle with radius 5 cm? (Use $\pi \approx 3.14$)

 **Area of Circle:** $A = \pi r^2$.

A 31.4 cm²

B 78.5 cm²

C 15.7 cm²

D 314 cm²

#87 GEOMETRY Easy

Two angles are supplementary. One angle is 65° . What is the other?

 **Supplementary Angles:** Two angles that add to 180° .

A 25°

B 115°

C 90°

D 125°

#88 GEOMETRY Medium

A rectangular box is 4 m long, 3 m wide, and 2 m tall. What is its volume?

💡 **Volume of Rectangular Prism:** $V = l \times w \times h$.

A 24 m³

B 18 m³

C 26 m³

D 48 m³

#89 GEOMETRY Medium

In a right triangle, the two legs are 3 cm and 4 cm. What is the hypotenuse?

💡 **Pythagorean Theorem:** $a^2 + b^2 = c^2$. Find c.

A 5 cm

B 7 cm

C 6 cm

D 25 cm

#90 GEOMETRY Hard

A square has a perimeter of 36 cm. What is its area?

💡 **Square:** Perimeter = $4s \rightarrow$ find s, then area = s^2 .

A 9 cm²

B 81 cm²

C 36 cm²

D 18 cm²

#91 GEOMETRY Hard

The angles in a triangle are in the ratio 1:2:3. What is the largest angle?

💡 **Triangle Angle Sum:** Sum = 180°. Total parts = 1+2+3 = 6. Each part = $180/6 = 30^\circ$.

A 60°

B 90°

C 30°

D 120°

#92 STATISTICS Easy

Find the mean of: 4, 7, 9, 6, 4

 **Mean (Average):** Sum all values, then divide by the number of values.

A 5

B 6

C 7

D 8

#93 STATISTICS Easy

Find the median of: 3, 7, 1, 9, 5

 **Median:** Sort the data, then find the middle value.

A 3

B 5

C 7

D 6

#94 STATISTICS Easy

Find the mode of: 2, 4, 4, 6, 8, 4, 2

 **Mode:** The value that appears most often.

A 2

B 4

C 6

D 8

#95 STATISTICS Medium

Find the range of: 12, 5, 18, 9, 14

 **Range:** Largest value – Smallest value.

A 9

B 13

C 5

D 18

#96 STATISTICS Medium

A bag has 3 red, 4 blue, and 5 green marbles. What is the probability of randomly picking a blue marble?

 **Probability:** $P = (\text{favorable outcomes}) \div (\text{total outcomes})$.

A $4/5$

B $1/3$

C $4/12$

D $1/2$

#97 STATISTICS Medium

A fair coin is flipped twice. What is the probability of getting two heads?

 **Independent Events:** Multiply the probabilities. $P(H) = \frac{1}{2}$ for each flip.

A $1/4$

B $1/2$

C $1/8$

D $3/4$

#98 STATISTICS Hard

The mean of 5 numbers is 12. Four of the numbers are 10, 15, 8, 14. What is the fifth?

 **Working Backwards:** $\text{Sum} = \text{Mean} \times \text{Count} = 12 \times 5 = 60$. Find the missing value.

A 11

B 12

C 13

D 9

#99

STATISTICS

Hard

A die is rolled. What is the probability that the result is either a 2 or a 5?



OR Probability: Add the individual probabilities (mutually exclusive events).

A $\frac{1}{6}$

B $\frac{1}{3}$

C $\frac{2}{3}$

D $\frac{1}{2}$

#100

STATISTICS

Hard

Test scores: 72, 85, 90, 68, 90, 77, 85, 85. Which measure of center best represents this data?



Choosing a Measure: Mode is most repeated; Median is middle; Mean is average. Repeated values suggest mode is meaningful.

A Mean (81.5)

B Median (85)

C Mode (85)

D Range (22)

Answer Key

#1	B	#2	C	#3	B	#4	B	#5	C
#6	B	#7	C	#8	B	#9	A	#10	C
#11	B	#12	B	#13	C	#14	B	#15	B
#16	B	#17	B	#18	B	#19	A	#20	A
#21	B	#22	A	#23	B	#24	A	#25	B
#26	B	#27	A	#28	C	#29	A	#30	B
#31	B	#32	C	#33	A	#34	B	#35	B
#36	B	#37	C	#38	B	#39	C	#40	A
#41	C	#42	B	#43	B	#44	A	#45	C
#46	B	#47	B	#48	C	#49	B	#50	C
#51	B	#52	A	#53	B	#54	B	#55	B
#56	A	#57	B	#58	A	#59	A	#60	B
#61	A	#62	A	#63	A	#64	B	#65	C
#66	B	#67	C	#68	B	#69	A	#70	A
#71	C	#72	A	#73	A	#74	C	#75	C
#76	A	#77	C	#78	A	#79	B	#80	B
#81	C	#82	A	#83	B	#84	B	#85	B
#86	B	#87	B	#88	A	#89	A	#90	B
#91	B	#92	B	#93	B	#94	B	#95	B
#96	B	#97	A	#98	C	#99	B	#100	C