

UIL NUMBER SENSE - PRACTICE PACKET for Grades 7-8



CONTENTS

- 1. 6 Practice Tests - 80 questions each**
- 2. Answer Keys**

For official UIL Constitution and Contest Rules for Number Sense, please review Section 940 on the document under "Contest Rules" at: <http://www.uiltexas.org/aplus/events/aplus-number-sense>

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for Grades 7-8

We are a small company that listens! If you have any questions or if there is an area that you would like fully explored, let us hear from you. We hope you enjoy this product and stay in contact with us throughout your academic journey.

~ President Hexco Inc., Linda Tarrant

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IF YOU LIKE THIS PRODUCT, WE ALSO RECOMMEND

Number Sense Practice Packets for High School

Mental Math Mentor & Notes

Number Sense Practice Packet for Grades 7-8 - Test A

Contestant's number _____

Final _____

1st _____

2nd _____

Score Initials

The person conducting this contest should explain these directions to the contestants.

DIRECTIONS: Do not turn this page until the person conducting this test gives the signal to begin. This is a ten-minute test. There are 80 problems. Solve as many as you can accurately and quickly in the order in which they appear. ALL PROBLEMS ARE TO BE SOLVED MENTALLY. Make no calculations with paper and pencil. Write only the answer in the space provided at the end of each problem. Problems marked in **bold** require approximate integral answers; any answer to a starred problem that is within five percent of the exact answer will be scored correct; all other problems require exact answers.

Stop - Wait for Signal!

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| <p>(1) $3\frac{1}{2} + 2\frac{3}{4} =$ _____</p> <p>(2) $218 + 327 + 18 =$ _____</p> <p>(3) Find the average of 32, 27, 19, 16 = _____</p> <p>(4) $2\frac{1}{2} \times 22 =$ _____</p> <p>(5) MCMLV + VII = _____</p> <p>(6) CMLXXIII = _____</p> <p>(7) $197 - 89 =$ _____</p> <p>(8) $75 \times 75 =$ _____</p> <p>(9) $63 \times 57 =$ _____</p> <p>(10) Approximate $197 \times 822 =$ _____</p> <p>(11) Write this number in digits: one million nine hundred ninety nine. _____</p> <p>(12) If $A = \{1, 2, 3, 4\}$ and $B = \{1, 4, 7\}$, and $C = \{2, 3, 4, 7\}$, find $A \cup B \cup C = \{ \text{_____} \}$</p> <p>(13) $A \cap (B \cap C) = \{ \text{_____} \}$</p> <p>(14) $A \cup (B \cap C) = \{ \text{_____} \}$</p> <p>(15) $A \cap (B \cup C) = \{ \text{_____} \}$</p> <p>(16) $10\frac{2}{3}$ dozen = _____ objects</p> <p>(17) If 5 hens lay 10 eggs in 3 days, in how many days, at the same rate, will one hen lay 20 eggs? _____ days.</p> <p>(18) A \$3500 car after a $14\frac{2}{7}\%$ reduction sold for \$ _____</p> | <p>(19) A $10\frac{1}{2}' \times 18'$ floor contains _____ square yards</p> <p>(20) Approximate $22 \times 22 \times 22 =$ _____</p> <p>(21) How many minutes are there in $4\frac{1}{2}$ hours? _____ min.</p> <p>(22) How many days are there from June 19 to September 24 of the same year? _____</p> <p>(23) How many minutes are in $1\frac{1}{2}$ days? _____</p> <p>(24) What is the next term of 2, 3, 6, 11, 18 ...? _____</p> <p>(25) If $A \times A = 9 \times 25$, then $A =$ _____</p> <p>(26) If $17 \times A = 119$, then $A =$ _____</p> <p>(27) What is the next term of 1, 2, 4, 8, ... ? _____</p> <p>(28) The edge of a cube whose volume is 729 cu. in. is _____ in.</p> <p>(29) $1 + 3 + 5 + 7 + 9 + 11 =$ _____</p> <p>(30) Approximate $7\frac{1}{2}\%$ of \$166,000 \$ _____</p> <p>(31) If $A=7, B=13, C=9$, then $A \times B + A \times C =$ _____</p> <p>(32) $.18 \times .7 =$ _____ (decimal)</p> <p>(33) Find the average of 1, 8, 7, and 17 = _____</p> <p>(34) Find the number A such that $3/7 = A/91$. _____</p> <p>(35) $62\frac{1}{2}\%$ of 560 = _____</p> <p>(36) $16 \div 1\frac{1}{2} =$ _____</p> <p>(37) $7 \times 7 \times 7 =$ _____</p> |
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