WORKSHEET 1

Year 6 Mathematics: Number & Patterns
Large Numbers (Millions)

Focus: Reading, Writing, and Understanding Place Value

Name: _____   **Date:** _____

Place Value Reference Chart

M	HTh	TTh	Th	H	T	O
Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones

Section 1: Writing Numbers (Fluency)

1. Write **three million, four hundred and twenty thousand** in numerals.

Answer: _____

2. Write 5,602,010 in words.

Answer: _____

3. Write **seven million, fifty thousand, three hundred** in numerals.

Answer: _____

4. Write 2,008,400 in words.

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Answer: _____

5. What number is represented: 9 millions, 3 hundred thousands, 0 ten thousands, 7 thousands, 0 hundreds, 2 tens, 5 ones?

Answer: _____

MATHS MASTER!

Number Ninja

Why did the number 10 go to therapy?
Because it had too many issues with being two-faced! (1 and 0)

Section 2: Expanded Notation (Reasoning)

6. Expand 2,450,000 using multiplication.

Answer: _____

7. What is the **value** of the digit 7 in the number 17,200,500?

Answer: _____

8. Write the following in standard form: 6,000,000 + 300,000 + 80,000 + 5,000 + 200 + 10 + 9

Answer: _____

9. What is the **place value** of the digit 4 in 8,542,130?

Answer: _____

10. Expand 9,087,000 in expanded notation.

Answer: _____

11. In the number 4,356,789, which digit is in the hundred thousands place?

Answer: _____

MILLIONAIRE MINDSET!

Wise Owl

What's a million's favourite type of music?
Heavy METAL... because it's worth so much!

Section 3: Number Puzzles (Challenge)

12. I am a 7-digit number. My millions digit is 5. My thousands digit is 10. My tens digit is 0. What number could I be? (Give one example)

Answer: _____

13. Create the **largest** possible number using these digits once each: 3, 0, 9, 1, 5, 7, 2.

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Answer: _____

14. Create the **smallest** possible number using these digits once each: 8, 2, 0, 5, 6, 4, 1. (Remember: the first digit cannot be 0!)

Answer: _____

15. A number has 6 in the millions place, 0 in the hundred thousands place, 4 in the ten thousands place, and all other digits are 7. Write this number.

Answer: _____

16. Round 4,678,234 to the nearest million.

Answer: _____

17. Round 7,234,890 to the nearest hundred thousand.

Answer: _____

CHAMPION CALCULATOR!

Robo-Maths

Why was the equal sign so humble?
Because it knew it wasn't greater than or less than anyone else!

Well Done! Check your answers on the next

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page.

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ANSWER KEY
Worksheet 1: Large Numbers (Millions)

Section 1: Writing Numbers

1. 3,420,000

2. Five million, six hundred and two thousand and ten

3. 7,050,300

4. Two million, eight thousand, four hundred

5. 9,307,025

Section 2: Expanded Notation

6. 2 times 1,000,000 + 4 times 100,000 + 5 times 10,000

7. 7,000,000 (seven million)

8. 6,385,219

9. Hundred thousands place (or value: 500,000)

10. 9 times 1,000,000 + 8 times 10,000 + 7 times 1,000

11. 3

Section 3: Number Puzzles

12. Any valid answer (e.g., 5,100,000 or 5,210,030, etc.)

Teacher Note: Accept variations like 5,100,000; 5,210,450; 5,010,020 etc.

13. 9,753,210

14. 1,024,568

15. 6,047,777

16. 5,000,000

17. 7,200,000

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WORKSHEET 2

Year 6 Mathematics: Number & Patterns

Large Numbers (Millions)

Focus: Ordering, Comparing & Real-World Contexts

Name: _____   **Date:** _____

Number Line Reference

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|----+----+----+----+----|
0   2,000,000  4,000,000  6,000,000  8,000,000
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Section 1: Comparing Numbers (Fluency)

1. Insert less than, greater than, or equals to make the statement true:
4,500,000 _____ 4,050,000

Answer: _____

2. Order these numbers from **smallest to largest**:
1,200,100; 1,210,000; 1,020,000

Answer: _____

3. Insert less than, greater than, or equals:
7,999,999 _____ 8,000,000

Answer: _____

7

4. Which is greater: 3,456,789 or 3,465,789?

Answer: _____

5. Order these numbers from **largest to smallest**:
5,005,000; 5,500,000; 5,050,000

Answer: _____

NUMBER CHAMPION!

Champion!

What do you call a number that can't sit still?
A roamin' numeral! (Roman numeral)

Section 2: Real-World Problems (Reasoning)

6. House A costs $1,250,000. House B costs $1,520,000. Which house is more expensive and by how much?

Answer: _____

7. A lottery winner receives $3,400,000. They donate $500,000 to charity. How much money do they have left?

Answer: _____

8

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8. The cost of a sports stadium is $8,750,000. Write this amount in words.

Answer: _____

9. A company's profit last year was $2,680,000. This year it increased to $3,120,000. What was the increase in profit?

Answer: _____

10. A car collection is worth $4,500,000. If each car is worth $500,000, how many cars are in the collection?

Answer: _____

MONEY MASTER!

Money Bag

Why did the dollar go to school?
To get some cents! (sense)

Section 3: Logic & Problem Solving (Challenge)

11. City X has 2 million people. City Y has half a million fewer people than City X. What is the population of City Y?

Answer: _____

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12. A country's population is 25 million. Write this number in standard form.

Answer: _____

13. Town A has a population of 750,000. Town B has double the population of Town A. What is Town B's population?

Answer: _____

14. Australia's population is approximately 26 million. New Zealand's population is approximately 5 million. How many more people live in Australia?

Answer: _____

15. A stadium can hold 85,000 people. If there are 12 such stadiums in a country, what is the total capacity?

Answer: _____

16. The distance from Earth to the Moon is approximately 384,400 kilometres. Round this to the nearest ten thousand.

Answer: _____

17. A library has 1,250,000 books. It receives a donation of 350,000 more books. How many books does it now have?
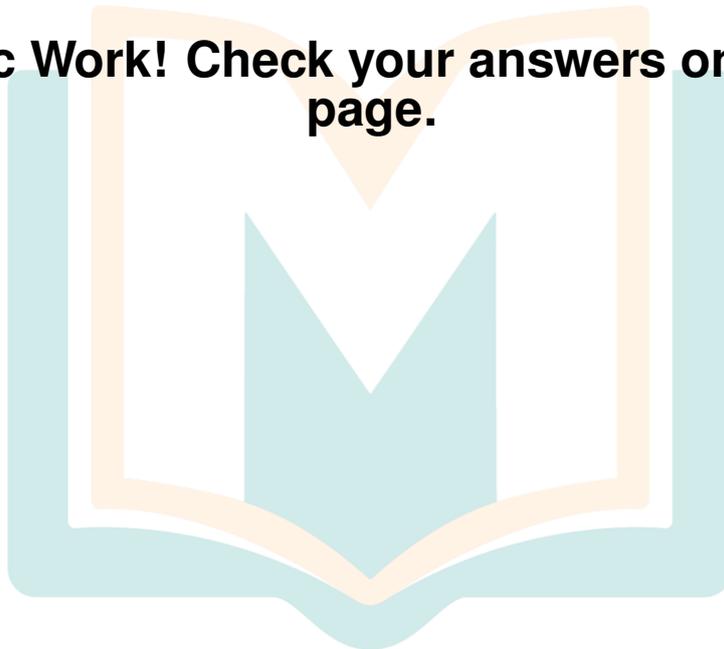
Answer: _____

MEGA MATHEMATICIAN!

Blast Off!

Why did the maths book look so sad?

Because it had too many problems to solve!

Fantastic Work! Check your answers on the next page.

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ANSWER KEY
Worksheet 2: Ordering, Comparing & Real-World Contexts

Section 1: Comparing Numbers

1. Greater than (4,500,000 is greater than 4,050,000)

2. 1,020,000; 1,200,100; 1,210,000

3. Less than (7,999,999 is less than 8,000,000)

4. 3,465,789 is greater

5. 5,500,000; 5,050,000; 5,005,000

Section 2: Real-World Problems

6. House B is more expensive by $270,000

7. $2,900,000

8. Eight million, seven hundred and fifty thousand dollars

9. $440,000

10. 9 cars

Section 3: Logic & Problem Solving

11. 1,500,000 (or 1.5 million)

12. 25,000,000

13. 1,500,000

14. 21 million (or 21,000,000)

15. 1,020,000

16. 380,000 kilometres

17. 1,600,000 books

Congratulations!

You've mastered Large Numbers (Millions)!
Keep up the excellent work in Year 6
Mathematics!

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