

Week 6 – Maths - Grade 5

Gde pages 170 – 175

Exercise below to be completed in the Maths 2 book.

Expanded Notation – Break down the number.

There are three ways in which you can break down the number.

1. 816 943
= 800 000 + 10 000 + 6 000 + 900 + 40 + 3

OR

2. 816 943
= (8x100 000)+(1x10 000)+(6 x 1 000)+(9 x 100) + (4 x 10) + (3 x 1)

OR

3. 816 943
= 8 HTh + 1 TTh + 6 Th + 9 H + 4 t + 3 U

Exercise - Write the following numbers in expanded Notation. (Use the first example above). Extension

1. 326 745 –
.....

2. 697 241 –
.....

3. 493 789 –
.....

4. 845 253 –
.....

5. 738 769 –
.....

6. 127 594 –
.....

7. 213 479 –
.....

8. 571 643 –
.....

9. 954 176 –
.....

10. 764 835 –
.....

Representing Numbers: Extension Activity

Example:

$$(5 \times 100\,000) + (2 \times 10\,000) + (7 \times 1\,000) + (4 \times 100) + (6 \times 10) + (9 \times 1)$$
$$= 500\,000 + 20\,000 + 7\,000 + 400 + 60 + 9$$
$$= \underline{527\,469}$$

Which number is represented by the following:

1. $(6 \times 100\,000) + (3 \times 10\,000) + (4 \times 1\,000) + (9 \times 100) + (5 \times 10) + (7 \times 1)$

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2. $(7 \times 100\,000) + (8 \times 10\,000) + (5 \times 1\,000) + (3 \times 100) + (2 \times 10) + (6 \times 1)$

.....

.....

3. $(4 \times 100\,000) + (8 \times 10\,000) + (5 \times 10\,000) + (7 \times 100) + (3 \times 10) + (8 \times 1)$

.....

.....

4. $(9 \times 100\,000) + (2 \times 10\,000) + (6 \times 1\,000) + (5 \times 100) + (7 \times 10) + (9 \times 1)$

.....

.....

5. $300\,000 + 50\,000 + 6\,000 + 900 + 40 + 1 + 30$

.....

6. $200\,000 + 60\,000 + 8\,000 + 500 + 20 + 7 + 600$

.....

7. $500\,000 + 50\,000 + 5\,000 + 500 + 50 + 5 + 5\,000$

.....

8. $400\,000 + 20\,000 + 1\,000 + 600 + 30 + 3$

.....

9. $6 \text{ HTh} + 8 \text{ TTh} + 7 \text{ Th} + 2 \text{ H} + 3 \text{ t} + 2 \text{ U}$

.....

10. $1 \text{ HTh} + 9 \text{ TTh} + 7 \text{ Th} + 6 \text{ H} + 8 \text{ t} + 5 \text{ U}$

.....

11. $6 \text{ TTh} + 9 \text{ HTh} + 5 \text{ H} + 6 \text{ t} + 4 \text{ Th} + 6 \text{ U}$

.....

12. $4 \text{ HTh} + 7 \text{ TTh} + 7 \text{ Th} + 8 \text{ H} + 1 \text{ t} + 2 \text{ U}$

.....

13. $9 \text{ HTh} + 8 \text{ TTh} + 3 \text{ Th} + 7 \text{ H} + 2 \text{ t} + 5 \text{ U}$

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