BILANGAN BERPANGKAT BULAT POSITIF

Nama Anggota Kelompok:

1. _____
2. _____
3. _____
4. _____
5. _____

AKTIVITAS 1

POSITIVE EXPONENTS

Let's Try!

exponent	multiplication form	result
3^4	.....	.....
.....	$(-5) \times (-5) \times (-5)$	.....
.....	.....	64 (with base 4)

3^4, the number 3 is called the ..... or ..... and number 4 written above the number 3 is called the ..... or .....

AKTIVITAS 2

LET'S PRACTISE

1. Express it in multiplication form and calculate!
   a. 5^3 = ...
   b. -3^2 = ...
   c. $\left(-\frac{1}{2}\right)^3$ = ...

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2. Express it in exponents!

   a. $p \times p \times p \times q \times 3 \times 3 \times q \times p \times 3$ = ...

   b. 128 with base 2 = ...

   c. $\left(-\frac{2}{3}\right) \times \left(-\frac{2}{3}\right) \times \left(-\frac{2}{3}\right) \times \left(-\frac{2}{3}\right)$ = ...

3. Determine the results of the following operations!

   a. $(-5)^3 + (-5)^2 + (-5)^1$ = ...

   b. $15 + 9 \times 2^2$ = ...

   c. $\frac{1}{2^3}(6^3 - 4^2)$ = ...

4. A research team from the Health Service of a region in Eastern Indonesia examined an outbreak that was developing in Village X. The research team discovered that the outbreak was caused by a virus that was developing in Africa. From the research results, it was found that the virus can develop by dividing into 3 viruses every half hour and attacking the body's immune system. At 08.00 the research team was breeding 10 viruses and at 10.30 there were more than 3000 viruses. Is this statement true? Explain your answer!

LIVEWORKSHEETS