

Identifying Parts of an Expression

6.EE.2b

This activity should be completed after teaching the following vocabulary terms:

Term= A number, variable, product, or quotient in an expression. A term is *not* a sum or difference. Example: In the expression $9k^2 + 4m + 3$, the terms are: $9k^2$, $4m$, and 3 .

Coefficient= A numerical factor in a term of an algebraic expression. In other words, a coefficient is a number used to multiply a variable. Example: 4 is a coefficient in the expression $4z + 7$. If a variable is by itself, the coefficient of it equals 1 , like in the expression $m + 9$.

Constant= A number with a value that is always the same. Example: 19 is a constant in the expression $8n + 19$.

(**Variable** and **Exponent** should have been taught in a previous unit but reviewed in this unit.)

ACTIVITY DIRECTIONS:

This activity can be used as a station activity, partner activity, homework sheet, or as an exit ticket.

Station Activity: Cut out the cards and have students draw one at a time and record the card number and answer on the recording sheet. The recording sheet has spots for them to record 10 answers from 10 cards. You can copy the recording sheet back-to-back so they can answer 20 cards.

Partner Activity: Same directions as the station activity, but copy enough sheets so that each set of partners has a set of cards to answer. You may want to only give them one of the three sheets.

Homework Sheet: You can print out either the first sheet or first two sheets (and copy double-sided) for each student to give as homework. Students can record their answers in the space under the given expression.

Exit Ticket: The exit ticket slips are on page 3. Print and cut out each card and hand one card to each student along with an exit ticket slip. They fill out what card number they were given and record the answer to their card on the exit ticket.

Name _____

Date _____

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Choose expression cards one at a time. Record the card number and the card answers in the table below.

Card Number	Expression Card Answer



Name _____

Card # _____

The answer is:



Name _____

Card # _____

The answer is:



Name _____

Card # _____

The answer is:



Name _____

Card # _____

The answer is:



Name _____

Card # _____

The answer is:



Name _____

Card # _____

The answer is:

1

Name the underlined part

$$6x^2 + 3y + \underline{16}$$

2

Identify the coefficients

$$8 + 3z + 7b + 13$$

3

Identify the terms

$$90 + 18w + 3h + 14$$

4

Name the underlined part

$$\underline{r} + 10x^2 + 4d^3 + 3$$

5

Identify the exponents

$$t^2 + 8 + p^3 + u^5$$

6

Identify the constants

$$12n + 7 + 13k^4 + 4 + 39z$$

7

Name the underlined part

$$50 + 23z + \underline{3f} + 17$$

8

Identify the terms

$$5y + 87 + 15z + 2$$

9

Name the underlined part

$$18x + j + 45 + \underline{1^8}$$

10

Identify the coefficients

$$7x + 90 + 67y^2 + 11p + 1$$

11

Identify the exponents

$$86 + g^6 + m^3 + 91$$

12

Name the underlined part

$$\underline{3r} + 10 + 73s^3 + 5$$

13

Name the underlined part

$$v + 6 + 7\underline{w} + 13k^2 + 8$$

14

Identify the terms

$$82b + 3u^2 + 7 + 41h + 54$$

15

Identify the coefficients

$$y + 8 + 9r + 2g + 22$$

16

Name the underlined part

$$4 + 6b^5 + w + 7h^2 + r$$

17

Name the underlined part

$$6u + \underline{19} + r^7 + 28c^4 + 88$$

18

Identify the constants

$$21 + 60j + 8 + 55p^3 + 3$$

19

Identify the variables

$$r^3 + 32 + 7g^4 + n^9$$

20

Name the underlined part

$$16 + 4x^4 + 8u + \underline{17h^7}$$

21

Name the underlined part

$$\underline{53}y + 9 + 5i^6 + e^3 + c^8$$

22

Identify the coefficients

$$33 + 6b^2 + 10d + 17$$

23

Identify the constants

$$2y + 15x^4 + 63 + t$$

24

Name the underlined part

$$94z + \underline{13}f^8 + 11 + s^9$$

25

Name the underlined part

$$18\underline{m} + u + s^3 + 78$$

26

Identify the terms

$$b + 14x + 54 + 6g^5 + 22$$

27

Identify the variables

$$3v^7 + 4h + q + 3t^6 + 9$$

28

Name the underlined part

$$u^4 + \underline{4p}^2 + 35x^2 + i^4$$

29

Name the underlined part

$$45n + w^3 + 4h^6 + b + \underline{16}$$

30

Identify the exponents

$$12z^4 + 13 + 4m + 7r^2$$

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ANSWER KEY

Card Number	Answer	Card Number	Answer
1	constant	16	exponent
2	3, 7	17	constant
3	90, 18w, 3h, 14	18	2l, 8, 3
4	variable	19	r, g, n
5	2, 3, 5	20	term
6	7, 4	21	coefficient
7	coefficient	22	6, 10
8	5y, 87, 15z, 2	23	63
9	exponent	24	coefficient
10	7, 67, 11	25	variable
11	6, 3	26	b, 14x, 54, $6g^3$, 22
12	term	27	v, h, q, t
13	variable	28	term
14	82b, $3u^2$, 7, 41h, 54	29	constant
15	1, 9, 2	30	4, 1, 2