

Polynomial Division

Math Learning Target:



"I can divide polynomials by long division and synthetic division. I can apply the Division Statement to all problems today. I can apply what I have learned in familiar and unfamiliar settings."

Example 1: Divide 352 by 15 using long division.

Word wall:

divisor
quotient
dividend
remainder

Example 2: Divide: $3x - 2x^4 + 5$ by $x + 3$ using long division.

Example 3: Using synthetic division, find the remainder when $13x - 2x^3 + x^4 - 6$ is divided by $x + 2$.

Alternate between using Long Division and Synthetic Division...

MathSIP! page 168 #5cd, 7ad, 8bc, 9ab, 10ae, 11, 12, 15, 17, 18, 19