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| **Mathematics Academic Vocabulary** | | | | | |
| ***Number, operation, and quantitative reasoning*** | | ***Patterns, relationships, and algebraic thinking*** | | ***Geometry and spatial reasoning*** | |
| addition  algorithm  approximate  calculator  common denominator  common factor  compare  compatible  **decimal**  denominator  density  digit  dividend  **division**  divisor  equivalent  exponent  **fraction**  generate  hundredths  **identify**  improper fraction  integer  justify  mixed number  **models/model**  multiple  **multiplication**  non-negative number  number/ numerical | object  operation  order  order of operations  percent  place value  price  prime factor  problem  quantitative reasoning  quantity  rate  ratio  rational number  **reasonableness/ reasonable**  remainder  **represent**  round  simplify  situation  **solve**  speed  square  square number  square root  subtraction  tenths  thousandths  whole number  write | algebra  **area**  arithmetic  charts  composite number  **concrete**  constant  conversion  describe  **equation**  factor pairs  **formula**  formulate  graphic organizers  linear  lists  prime number  proportional  rate of change  rectangular prism  relate/related  **relationship**  scaling  sequence  symbol  table | | angle  attribute  axis  circle  circumference  classify  complementary/ supplementary  cone  congruent  coordinate  coordinate grid  coordinate plane  cylinder  diameter  essential  figure  geometric  geometry  **graph**  grid  horizontal  locate  net  ordered pair | pair  parallel  perpendicular  points  polygon  prism  pyramid  quadrant  quadrilateral  radius  reflection  result  rotation  side  similarity  sketch  spatial reasoning  surface area  three-dimensional  transformation  translation  triangular  two-dimensional  vertical |
| ***Measurement*** | | ***Probability and statistics*** | | ***Underlying processes and mathematical tools*** | |
| application  capacity  circumference  Celsius  connect  elapsed time  **estimate**  Fahrenheit  length  measure  **BOLD high-frequency word in the TEKS** | **measurement**  metric  perform  **perimeter**  shape  system of measurement  temperature  time  **unit**  volume  weight | bar graph  collect  complement  composite experiments  construct  **data**  **diagram**  **display**  experiment/ experimental  **graphs**  independent  interpreting  line graph  line plot | mean  median  **mode**  number pair  organize  prediction  present  **probability**  **range**  sample space  statistics  stem and leaf plot  tree diagram  Venn diagram | answer  apply  checking  communicate  conclusion  conjecture  develop  **evaluate**  example/ nonexample  explain  generalization  incorporate  logical reasoning  manipulative | **mathematical**  number sense  observation  **pattern**  **problem-solving**  process  properties  select  **solution**  strategy  technology  tool  validate  verify |
| ***Number, operation, and quantitative reasoning*** | | | | | |
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| ***Patterns, relationships, and algebraic thinking*** | | | | | | | |
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| ***Geometry and spatial reasoning*** | | | | | | | |
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| ***Measurement*** | | | | | | | |
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| ***Probability and statistics*** | | | | | | | |
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| ***Underlying processes and mathematical tools*** | | | | | | | |
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