

数与运算

The sum of 6 and 4 is 10.

- ☐
number /ˈnʌmbə/
 数；数字 whole number; number line
- ☐
total /ˈtəʊtəl/
 总数；总量；合计 total number; total cost; in total
- ☐
equal /iːkwəl/
 相等的；等于 be equal to; equal sign
- ☐
add /æd/
 加；相加 add A to B; add together
- ☐
subtract /səbˈtrækt/
 减；相减 subtract A from B
- ☐
multiply /ˈmʌltɪplaɪ/
 乘；相乘 multiply A by B
- ☐
divide /dɪˈvaɪd/
 除；相除 divide A by B; divide into
- ☐
sum /sʌm/
 和 the sum of A and B
- ☐
difference /ˈdɪfərəns/
 差；差值 difference between A and B
- ☐
product /ˈprɒdʌkt/
 积 product of A and B
- ☐
quotient /ˈkwɒʃjənt/
 商 quotient of A and B
- ☐
value /ˈvæljuː/
 值；数值 place value; value of x
- ☐
digit /ˈdɪdʒɪt/
 数字；数位上的数字 a 3-digit number; digit 5
- ☐
order /ˈɔːdə/
 顺序；排列 ascending order; descending order
- ☐
ascending order /əˈsendɪŋ ˈɔːdə/
 升序；从小到大 in ascending order
- ☐
descending order /dɪˈsendɪŋ ˈɔːdə/
 降序；从大到小 in descending order
- ☐
whole number /həʊl ˈnʌmbə/
 非负整数 whole numbers
- ☐
integer /ˈɪntɪdʒəl/
 整数 positive integer; negative integer
- ☐
positive /ˈpɒzətɪv/
 正的；正数的 positive number; positive integer
- ☐
negative /ˈnegətɪv/
 负的；负数的 negative number; negative integer
- ☐
zero /ˈzɪərəʊ/
 零 equal to zero; zero point
- ☐
odd number /ɒd ˈnʌmbə/
 奇数 odd numbers
- ☐
even number /iːvən ˈnʌmbə/
 偶数 even numbers
- ☐
factor /ˈfæktə/
 因数 common factor; prime factor

数与运算 · 续

- ☐
multiple /ˈmʌltɪpəl/
 倍数 common multiple; multiple of
- ☐
prime number /praɪm ˈnʌmbə/
 质数 prime number; prime factor
- ☐
composite number /ˈkɒmpəzɪt ˈnʌmbə/
 合数 composite number
- ☐
common factor /ˈkɒmən ˈfæktə/
 公因数 greatest common factor
- ☐
greatest common factor /ˈgreɪtɪst ˈkɒmən ˈfæktə/
 最大公因数 GCF; HCF
- ☐
common multiple /ˈkɒmən ˈmʌltɪpəl/
 公倍数 least common multiple
- ☐
least common multiple /liːst ˈkɒmən ˈmʌltɪpəl/
 最小公倍数 LCM
- ☐
remainder /rɪˈmeɪndə/
 余数 with a remainder of
- ☐
estimate /ˈestɪmeɪt/
 估算；估计 estimate the answer; estimate the cost
- ☐
round /raʊnd/
 四舍五入；取近似值 round to the nearest; round off
- ☐
nearest /ˈneɪrɪst/
 最接近的 nearest ten; nearest whole number
- ☐
approximate /əˈprɒksɪmət/
 近似的；约等于 approximate value; approximately
- ☐
exact /ɪɡˈzækt/
 精确的 exact value; exact answer
- 读题与指令**
 Subtract 8 from 20. Find the answer.
- ☐
find /faɪnd/
 求出；找出 find the value; find the answer
- ☐
calculate /ˈkælkjuleɪt/
 计算 calculate the total; calculate the area
- ☐
answer /ˈɑːnsə/
 答案；作答 give the answer; answer the question
- ☐
more than /mɔː ðən/
 多于；大于 5 more than; greater than
- ☐
less than /les ðən/
 少于；小于 3 less than; less than 20
- ☐
greater than /ˈgreɪtə ðən/
 大于 greater than sign
- ☐
smaller than /ˈsmɔːlə ðən/
 小于；较小 smaller than; smallest
- ☐
distinct /dɪˈstɪŋkt/
 互不相同的 distinct digits; distinct integers
- ☐
exactly /ɪɡˈzæktli/
 恰好；正好 exactly two
- ☐
maximum /ˈmæksɪməm/
 最大值 maximum possible value

| 读题与指令 · 续

- minimum

/ˈmɪnɪmə/

最小值 minimum possible value

□

must be

/mʌst biː/

必然是 which must be true

□

could be

/kʊd biː/

可能是 which could be

□

cannot be

/ˈkænət biː/

不可能是 which cannot be

□

such that

/sʌtʃ ðæt/

使得；满足条件 integers such that

□

convert

/kənˈvɜːt/

转换；换算 convert A to B; convert into

□

working

/ˈwɜːkɪŋ/

计算过程；演算 show your working

□

respectively

/rɪˈspektɪvli/

分别地；依次对应 A and B are 3 and 5 respectively

□

at least

/ət liːst/

至少 at least 10

□

at most

/ət məʊst/

至多；最多 at most 10

□

no more than

/nəʊ mɔː ðən/

不多于；不超过 no more than 20

□

no less than

/nəʊ les ðən/

不少于；至少 no less than 5

数论拓展

36 is divisible by 4.

- divisible by

/dɪˈvɪzəbəl baɪ/

能被……整除 divisible by 3; exactly divisible by
- consecutive

/kənˈsekjʊtɪv/

连续的 consecutive integers; consecutive odd integers

分数与小数

Three fifths of the pizza is left.

- fraction

/ˈfrækʃən/

分数 proper fraction; fraction of
- numerator

/ˈnjuːməreɪtə/

分子 numerator of a fraction
- denominator

/dɪˈnɒmɪneɪtə/

分母 common denominator
- proper fraction

/ˈprɒpə ˈfrækʃən/

真分数 proper fraction
- improper fraction

/ɪmˈprɒpə ˈfrækʃən/

假分数 improper fraction
- mixed number

/mɪkst ˈnʌmbə/

带分数 convert to a mixed number
- equivalent fraction

/ɪˈkwɪvələnt ˈfrækʃən/

等值分数 equivalent fractions
- simplify

/ˈsɪmplɪfaɪ/

化简；简化 simplify a fraction; simplify an expression

| 分数与小数 · 续

- lowest terms

/ˈləʊɪst tɜːmz/

最简形式；最简分数 in lowest terms
- decimal

/ˈdesɪmə/

小数 decimal number; decimal point
- decimal point

/ˈdesɪməl pɔɪnt/

小数点 place the decimal point
- decimal place

/ˈdesɪməl pleɪs/

小数位 one decimal place; two decimal places

百分数与比例

A \$100 book has a 20% discount.

- percentage

/pəˈsentɪdʒ/

百分数；百分比 percentage of; percentage increase
- percent

/pəˈsent/

百分之…… 25 percent; percent of
- ratio

/ˈreɪʃəʊ/

比；比率 ratio of A to B; simplify a ratio
- rate

/reɪt/

率；速率；单位率 unit rate; rate per hour
- proportion

/prəˈpɔːʃən/

比例；成比例关系 direct proportion; in proportion
- unit rate

/ˈjuːnɪt reɪt/

单位率 find the unit rate
- increase

/ɪnˈkriːs/

增加；增长 increase by; increase to; percentage increase
- decrease

/dɪˈkriːs/

减少；下降 decrease by; decrease to; percentage decrease

计数与概率拓展

Choose one shirt and one pair of trousers.

- in how many ways

/ɪn haʊ ˈmeni weɪz/

有多少种方法 in how many ways can...

几何拓展

The two triangles are similar.

- congruent

/ˈkɒŋgruent/

全等的 congruent triangles
- similar

/ˈsɪmɪlə/

相似的 similar triangles
- diagonal

/daɪˈæɡənəl/

对角线 diagonal of a rectangle
- midpoint

/ˈmɪdpoɪnt/

中点 midpoint of AB