

**#**

- 2 and 4 multiplication facts,**  
216
- 3 multiplication facts,** 222
- 5 and 10 multiplication facts,** 204
- 6 and 8 multiplication facts,**  
219
- 9 and 11 multiplication facts,** 222
- 1<sup>st</sup>,** 20
- 2<sup>nd</sup>,** 20
- 3<sup>rd</sup>,** 20
- 4<sup>th</sup>,** 20
- 5<sup>th</sup>,** 20

**A**

- Abbreviations**  
months, 24  
numbers, 20
- Acute angles,** 331
- Addend,** 5
- Adding**  
addend, 5  
addition facts, 8  
carrying, 91  
coins, 137  
defined, 5  
fractions, 448  
in your head, 129  
long addition, 49, 71  
money, 438  
numbers that end in 0, 46  
sum, 5  
three or more numbers, 67  
three or more numbers in your head, 184  
with zero, 5  
word problems, 52
- Addition facts,** 8
- Analog clock,** 169
- Angles**  
acute, 331  
defined, 303  
degrees, 308  
measuring, 308, 314  
naming, 303  
obtuse, 332  
protractor, 308  
ray, 303  
right angles, 320  
sides, 303  
straight, 332  
vertex, 303

- April,** 17
- Area**  
defined, 369  
irregular shapes, 465  
shortcut, 381
- August,** 17
- Autumn,** 39

**B**

- Borrowing,** 279

**C**

- Calendar,** 20
- Carrying**  
defined, 91  
in addition once, 91  
in addition twice, 133  
in multiplication once, 275  
in multiplication twice, 298  
with more than two numbers, 133

- Centimeter,** 515
- Change,** 443
- Checkbook,** 481-482
- Checks,** 475-476
- Circles**  
circumference, 410  
defined, 410  
diameter, 410  
radius, 410
- Circumference,** 410
- Clocks**  
analog, 169  
digital, 164-165

- Coins**  
defined, 137  
dimes, 137  
making change, 443  
nickels, 137  
quarters, 137  
paying with, 142  
pennies, 137

- Commutative property of addition,** 5

- Commutative property of multiplication,** 200

- Comparing**  
defined, 80  
three or more numbers, 84  
two numbers, 80, 84

- Congruent figures,** 404
- Converting**  
centimeters to  
decimeters, 515  
days to hours, 510  
decimeters to meters, 515  
feet to inches, 500  
feet to yards, 500  
hours to minutes, 510  
improper fractions to mixed numbers, 615-616  
time zones, 524-525  
weeks to days, 510  
years to months, 510

**D**

- Date,** 24
- Days,** 17
- December,** 17
- Decimal point,** 433
- Decimals**  
as mixed numbers, 470  
decimal point, 433  
defined, 470  
hundredths, 470  
tenths, 470
- Decimeter,** 515
- Degrees,** 308
- Denominator,** 99
- Deposit,** 481-482
- Diagonal,** 387
- Diameter,** 410
- Difference,** 30
- Digital clocks,** 164
- Digits,** 11
- Dimes,** 137
- Dividend,** 294
- Dividing**  
defined, 283  
dividend, 294  
divisor, 294  
equal groups, 283  
Fact Families, 290  
fractions, 556  
long division, 536-537, 578  
money, 621-622  
quotient, 294  
with a remainder, 542  
word problems, 531
- Divisor,** 294

**E**

- Elapsed time,** 520

**Endpoints**, 111

**Estimating**

- defined, 58
- three digit problems, 75
- two digit problems, 58, 75

**Even numbers**, 212

**F**

**Factors**, 200

**Facts**

- addition, 8
- Families of Facts, 34

**Fall**, 39

**Fahrenheit**, 487

**Families of facts**

- adding and subtracting, 34
- multiplying and dividing, 290

**February**, 17

**Feet**, 116

**Fraction bar**, 99

**Fractions**

- adding, 448
- defined, 99
- denominator, 99
- dividing, 556
- fraction bar, 99
- improper fractions, 452
- mixed numbers, 457
- numerator, 99
- numerators greater than one, 106
- remainders as fractions, 597
- reducing, 550-551, 556
- subtracting, 448

**Friday**, 17

**G**

**Geometry**

- angles, 303, 308, 314, 320, 331
- area, 369, 381, 465
- congruent figures, 404
- defined, 339
- endpoints, 111
- line segment, 111
- parallel segments, 351
- parallelogram, 398
- perimeter, 363
- perpendicular segments, 350-351

- quadrilaterals, 338, 357, 398
- rectangle, 357
- similar figures, 404
- square, 357
- trapezoid, 398
- triangles, 338

**Graph**

- bar graph, 62
- defined, 62
- pictograph, 62

**H**

**Half past**, 188

**Hands**, 169

**Horizontal line segment**, 111

**Horizontal symmetry**, 387

**Hour hand**, 169

**Hours**, 164

**Hundreds**, 11, 14

**Hundredths**, 470

**I**

**Improper fractions**

- converting to mixed numbers, 615-616
- defined, 452

**Inches**, 116

**Inequality symbol**, 80, 84

**J**

**January**, 17

**July**, 17

**June**, 17

**L**

**Large numbers**

- in digits, 239
- in words, 244

**Line segments**

- defined, 111
- horizontal line segment, 111
- measuring, 568
- oblique line segment, 111
- parallel segments, 351
- perpendicular segments, 350
- vertical line segment, 111

**Long addition**, 49, 71

**Long division**, 536-537, 578

**Long multiplication**, 263

**Long subtraction**, 151, 180

**M**

**Map**

- defined, 602
- reading a scale, 602

**March**, 17

**May**, 17

**Measuring**

- angles, 308, 314
- degrees, 308
- feet, 116
- inches, 116
- line segments, 568

**Meter**, 515

**Metric system**, 515

**Metric units**, 515

**Midnight**, 164

**Millions**, 239

**Minus sign**, 30

**Minute hand**, 169

**Minutes**, 164

**Missing numbers**, 43

**Mixed numbers**

- as decimals, 470
- converting from improper fractions, 615
- defined, 457
- from remainders, 597

**Monday**, 17

**Money**

- adding, 438
- coins, 137
- dividing, 621-622
- making change, 443
- multiplying, 621
- paying with coins 142
- subtracting, 438
- writing with dollars and cents, 433

**Months**, 17

**Multiples**, 259

**Multiplication symbol**, 192

**Multiplication table**, 235

**Multiplying**

- as repeated addition, 192
- by 100, 1000, and 10,000, 248
- by a two-digit number, 573
- by eight, 219
- by eleven, 222

by five, 204  
 by four, 216  
 by nine, 229  
 by one, 200  
 by six, 219  
 by ten, 204  
 by three, 222  
 by two, 216  
 by zero, 200  
 carrying, 275  
 carrying twice, 298  
 carrying with a four digit number, 298  
 defined, 192  
 factors, 200  
 facts, 204, 216, 219, 222  
 long multiplication, 263  
 money, 621  
 more than two numbers, 271  
 multiplication table, 235  
 numbers with zeros, 252  
 product, 200  
 two-digit numbers, 573  
 word problems, 267

**N**

**Negative numbers**, 495  
**Negative sign**, 495  
**Nickels**, 137  
**Noon**, 164  
**November**, 17  
**Number line**, 562

**Numbers**

as digits, 11, 239  
 as words, 95, 244  
 even numbers, 212  
 large numbers, 239  
 mixed numbers, 457  
 odd numbers, 212  
 whole numbers, 212

**Numerator**, 99

**O**

**Oblique line segment**, 111  
**Obtuse angles**, 332  
**October**, 17  
**Odd numbers**, 212  
**Old-fashioned clock** (see: **Analog clock**)  
**Ones**, 11, 14  
**Ordinal numbers**, 20

**P**

**Parallel line segments**, 352  
**Parallelogram**, 398  
**Paying with coins**, 142  
**Pennies**, 137  
**Percents**  
 defined, 584  
 finding the percent of a number, 593  
 out of one hundred, 584  
**Perimeter**, 363  
**Perpendicular line segments**, 352  
**Place value**, 11, 14  
**Probability**  
 defined, 606  
 flipping a coin, 606  
 rolling a die, 606  
**Product**, 200  
**Protractor**, 308, 314

**Q**

**Quadrilaterals**  
 defined, 338-339  
 parallelogram, 398  
 rectangle, 357  
 square, 357  
 trapezoid, 398  
**Quarter past**, 188  
**Quarter until**, 188  
**Quarters**, 137  
**Quotient**, 294

**R**

**Radius**, 410  
**Ray**, 303  
**Rectangle**, 357  
**Reducing fractions**, 550-551, 556  
**Regrouping**  
 defined, 279  
 regrouping once, 279  
 regrouping twice, 393  
 with zeros, 427  
**Remainder**  
 as a fraction, 597  
 defined, 542  
 when dividing, 542  
**Right angle**, 320  
**Roman numerals**, 611  
**Rounding**  
 defined, 58  
 three digit numbers, 75

two digit numbers, 58, 75

**Ruler**, 116, 568

**S**

**Saturday**, 17  
**Seasons**, 39  
**Seconds**, 175  
**September**, 17  
**Sequence**, 121  
**Sides**, 303  
**Similar figures**, 404  
**Skip counting**, 192, 259  
**Spring**, 39  
**Squares**, 357  
**Straight angles**, 332  
**Subtracting**  
 defined, 30  
 difference, 30  
 fractions, 448  
 in your head, 147  
 long subtraction, 147, 180  
 minus sign, 30  
 money, 438  
 regrouping, 279, 393, 427  
 word problems, 156  
**Sum**, 5  
**Summer**, 39  
**Sunday**, 17  
**Symmetry**  
 defined, 387  
 horizontal symmetry, 387  
 vertical symmetry, 387

**T**

**Tally marks**, 208  
**Tape measure**, 116  
**Temperature**  
 defined, 487  
 reading a thermometer, 493-494  
**Tens**, 11, 14  
**Tenths**, 470  
**Thermometer**, 493-494  
**Thousands**, 14  
**Thursday**, 17  
**Time**  
 analog clocks, 169  
 digital clocks, 164  
 elapsed time, 520  
 half past, 188  
 hours, 164

## INDEX

---

midnight, 164  
minutes, 164  
noon, 164  
quarter past, 188  
quarter until, 188  
seconds, 175  
time zones, 524

### **Time zones**

Alaskan Time Zone, 525  
Central Time Zone, 524  
defined, 524  
Eastern Time Zone, 524  
Hawaii Time Zone, 525  
Mountain Time Zone,  
524  
Pacific Time Zone, 525

### **Trapezoid, 398**

### **Triangles**

acute, 344  
defined, 338  
obtuse, 344  
right, 344

### **Tuesday, 17**

## **U**

### **Unit conversions**

centimeters to  
decimeters, 515  
days to hours, 510  
decimeters to meters,  
515  
defined, 500  
feet to inches, 500  
feet to yards, 500  
hours to minutes, 510  
weeks to days, 510  
years to months, 510

### **Units of measure**

centimeter, 515  
decimeter, 515  
defined, 116  
foot, 116  
inch, 116  
meter, 515  
yardstick, 500

## **V**

**Venn Diagram, 416-417**

**Vertex, 303**

**Vertical line segment, 111**

**Vertical symmetry, 387**

## **W**

**Wednesday, 17**

**Whole numbers, 212**

**Winter, 39**

### **Word problems**

addition, 52  
division, 531  
multiplication, 267  
subtraction, 156

## **Y**

**Yardstick, 500**

**Years, 17, 510**