The background is a collage of various mathematical symbols and equations in different colors. It includes multiplication problems like $32 \times 13 = 416$, $78 + 14 = 92$, and $195 - 22 = 173$. It also features fractions such as $\frac{3}{7}$, $\frac{1}{6}$, $\frac{87}{54}$, and $\frac{14}{23}$. Other symbols include a ruler, a sun, a triangle with 'ABC', a spiral, a percentage sign, a number '100', and various mathematical operators like $+$, $-$, \times , \div , and $*$.

7th Grade Mathematics *Reference Sheet*

 SONLIGHT

7th Grade Mathematics Reference Sheet

GEOMETRIC FORMULAS

Perimeter of rectangle

$$2l + 2w = P$$



Perimeter of square

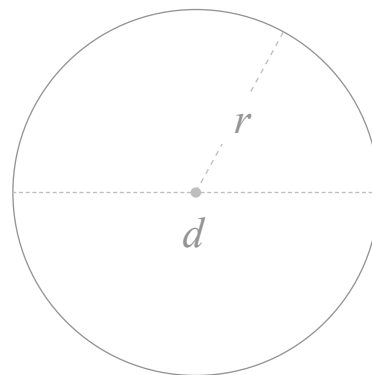
$$4s = P$$



Circumference of circle

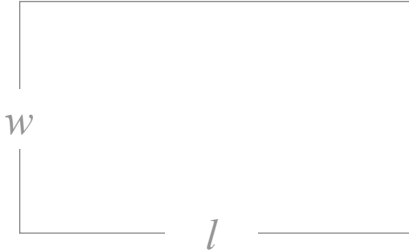
$$2\pi r = C$$

$$\pi d = C$$



Area of rectangle

$$lw = A$$



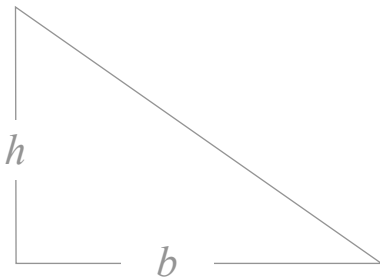
Area of square

$$s^2 = A$$



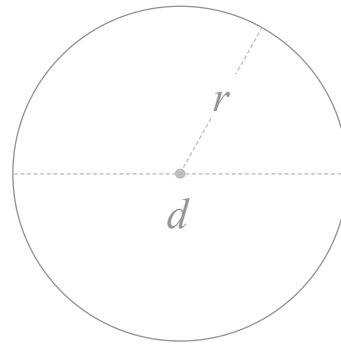
Area of triangle

$$\frac{1}{2}bh = A$$



Area of circle

$$\pi r^2 = A$$



Volume of rectangular prism

$$lwh = V$$



7th Grade Mathematics Reference Sheet

CONVERSION FACTORS

DISTANCE

12 inches = 1 foot

3 feet = 1 yard

5,280 feet = 1 mile

10 millimeters = 1 centimeter

100 centimeters = 1 meter

1,000 meters = 1 kilometer

VOLUME

8 fl oz = 1 cup

2 cups = 1 pint

2 pints = 1 quart

4 quarts = 1 gallon

10 milliliters = 1 centiliter

100 centiliters = 1 liter

1,000 liters = 1 kiloliter

WEIGHT

16 oz = 1 pound

2,000 pounds = 1 ton

10 milligrams = 1 centigram

100 centigrams = 1 gram

1,000 grams = 1 kilogram

TIME

60 seconds = 1 minute

60 minutes = 1 hour

24 hours = 1 day

7 days = 1 week

52 weeks = 1 year = 365 days