

Math 090

Chapter 8: RATIOS

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1. More on
Circles

CIRCLES – EXAMPLES, TERMS, AREA

MATH FACTS pages 19 – 22

AREA – CIRCLE, RECTANGLE, SQUARE, TRIANGLE

MATH FACTS pages 5 – 14

PI – VALUE & DEFINITION

MATH FACTS page 22

VOLUME

MATH FACTS pages 163 – 164

2. Some
Geometry

SQUARES MATH FACTS pg 147 – 148

TRIANGLES MATH FACTS pg 161 – 162

PYTHAGOREAN THEOREM MATH FACTS pg 131 – 132

GEOMETRIC SHAPES MATH FACTS pg 77 – 80

SURFACE AREA MATH FACTS pg 157 – 158

Find the surface area of a rectangular solid that is 10in x 3in x 4in.

Find the volume of a rectangular prism 8in x 4in x 3in.

Find the volume of a can with diameter 10cm and height 15cm.

Find the surface area of that can (if the can is sealed).

Find the volume of a cube with side $\frac{3}{5}$ inches.

Find the surface area of that cube.

What is pi? (Definition)

What is the length of the hypotenuse of a right triangle if the two legs measure 3cm and 4 cm?

What is the length of a leg of a right triangle if the hypotenuse measures 13ft and the other leg measures 12ft?

What is the length of the diagonal of a square with sides 3in?

What is the formula for the area of a trapezoid?

3. Ratios

RATIO MATH FACTS pages 135 – 136

UNIT RATE: A **rate** is a ratio used to compare two measures.

A **unit rate** is the rate for (per) one.

A 2kg bag of “BEST” brand of rice costs \$1.89

A 12.5kg bag “BEST” rice costs \$10.99.

A 5kg bag “BEST” rice costs \$4.69.

Finally a $\frac{1}{2}$ kg bag “BEST” rice costs 49c.

Which is the more economical way to buy rice?

PREPARE FOR THE QUIZ AT HOME:

WORKBOOK pages 72D, 80A, 80B, 83 \Rightarrow 86, 86C \Rightarrow 86F

WORKBOOK Practice Quiz #8 pages 87 & 88