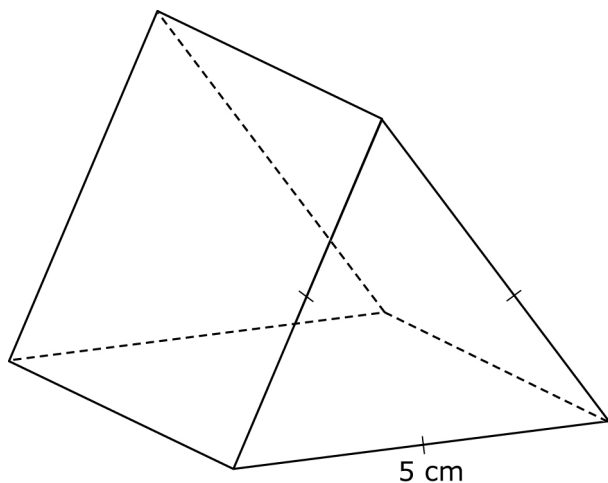


Section 1.2 Extra Practice

1.
 - a) Use imperial length references to estimate the area of the top of your desk.
 - b) Measure the dimensions of your desktop in imperial units. Calculate the area.
 - c) Compare your estimate and your calculation.
2. Repeat #1 using SI references.
3.
 - a) Estimate the area of the front cover of a textbook.
 - b) Measure the dimensions of the front cover of the same textbook. Calculate the area.
 - c) Compare your estimate and your calculation.
4. The gift box shown is in the shape of a triangular prism. Without measuring, estimate the surface area of the gift box.
5.
 - a) Estimate the surface area of both sides of all the doors in your classroom, in square metres.
 - b) One litre of paint covers about 10 m^2 . Estimate the number of litres of paint needed to apply two coats to both sides of the doors.
 - c) Measure the dimensions of all the doors in your classroom, in metres. Calculate the total surface area of both sides of all the doors.
 - d) Compare your estimate in part a) to your calculation in part c).
 - e) Repeat the surface area estimate, in square feet.
 - f) One gallon of paint covers about 400 ft^2 . Estimate the number of gallons of paint needed to apply two coats to both sides of all the doors.
 - g) Measure the dimensions of all the doors in your classroom, in feet. Calculate the total surface area of all the doors.
 - h) Compare your estimate in part e) to your calculation in part g).



Name: _____

Date: _____

BLM 1-6

(continued)

- 6. a)** How many square feet is a 12" by 12" square tile?
b) How many square feet is a 6" by 6" square tile?
c) How many square feet is a 24" by 24" square tile?
d) How many square metres is a 100 cm by 100 cm square tile?
e) How many square metres is a 50 cm by 50 cm square tile?
f) How many square metres is a 200 cm by 200 cm square tile?
- 7.** Use your references for 1 in.² to estimate each area.
a) bank card
b) open binder
c) calculator
d) envelope
e) e-book
- 8.** Repeat #7 using your references for 1 cm².
- 9.** Use your references for 1 ft² to estimate each area in your classroom.
a) floor
b) one wall
c) one window
- 10.** Repeat #9 using your references for 1 m².
- 11.** A tea light is $\frac{1}{2}$ " high with a diameter of $1\frac{1}{2}$ ". Estimate the surface area of a tea light.
- 12.** Rolls of ribbon are stacked together when shipped. Each roll is 3 cm high and about 12 cm in diameter. Estimate the surface area of plastic wrap needed to ship six rolls of ribbon.

