Name: _____ Date: _____

BLM 5–11

Section 5.3 Extra Practice

1. Fill in each blank.

To find the total surface area of a 3-D object:

a) _____ the number of faces.

b) Calculate the _____ of each face.

c) Find the _____ of the surface areas of the faces.

For #2 and #3, calculate the surface area of each prism to the nearest tenth of a centimetre.

2. a) Number of faces _____

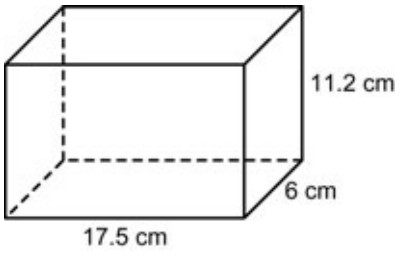
b) $2 \times (11.2 \times 17.5) =$ _____ cm^2

$2 \times (11.2 \times 6) =$ _____ cm^2

$2 \times (17.5 \times 6) =$ _____ cm^2

c) Total surface area

_____



3. a) Number of faces _____

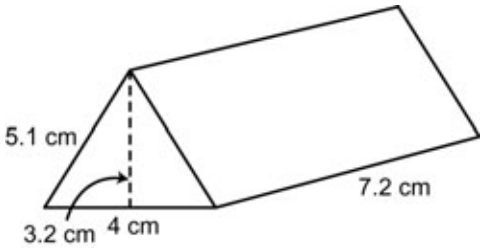
b) $2 \times \frac{(3.2 \times 4)}{2} =$ _____ cm^2

$2 \times (5.1 \times 7.2) =$ _____ cm^2

$1 \times (4 \times 7.2) =$ _____ cm^2

c) Total surface area

_____



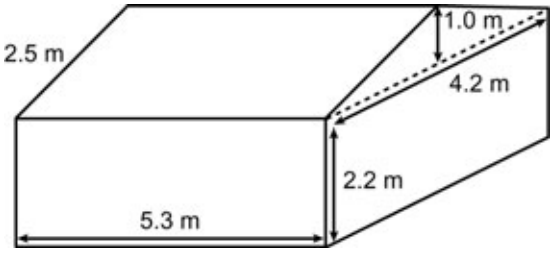
4. Rahim's dad wants to paint the outside of his garage, including the roof.

a) How many sides of the garage need to be painted? _____

b) Name the two shapes that make up the front and the back side of the garage.

_____ and

_____



c) Calculate the total surface area that needs to be painted. Show your work. Round your answer to the nearest tenth of a metre.

Copyright © McGraw-Hill Ryerson, 2008