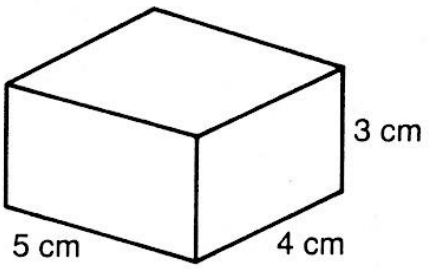
7.9 **Learning Opportunity** Name: _____

Surface Area of Rectangular Prisms

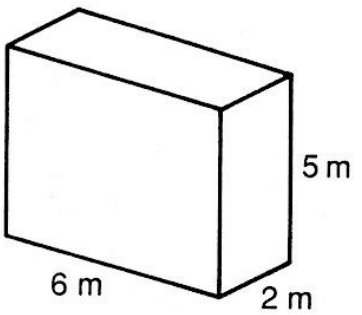
Find the surface area of each rectangular prism. Show your work on another sheet of paper. You may use a calculator. Find your answer in the answer columns and notice the two letters next to it. Write these letters in the spaces above the exercise number at the bottom of the page to answer the riddle:

What happened to Mr. Colby after he swallowed two nickels, three dimes, and one quarter?

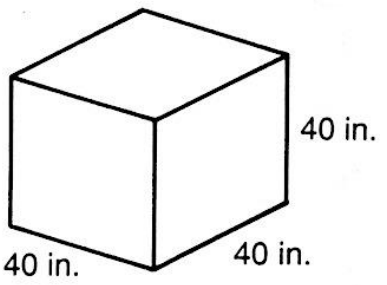
(1)



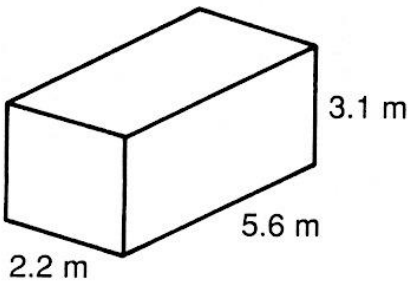
(2)



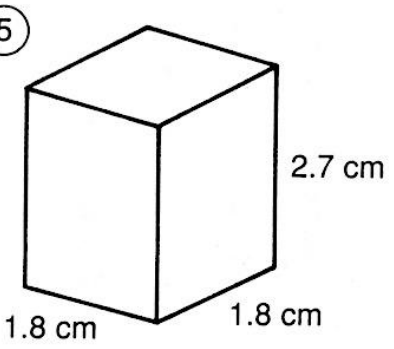
(3)



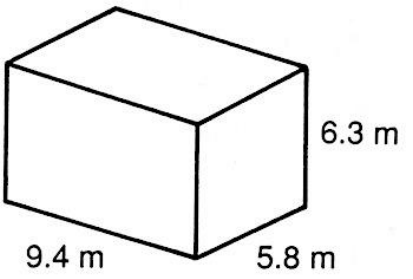
(4)



(5)



(6)



(7) A rectangular storage box is 12 in. wide, 15 in. long, and 9 in. high. How many square inches of colored paper are needed to cover the surface of the box?

(8) A teacher made a pair of foam dice to use in math games. Each cube measured 10 in. on a side. How many square inches of fabric were needed to cover the two cubes?

Answers

(TH) 73 m^2	(AS) 94 cm^2	(ER) 318.26 m^2	(OB) 8,560 $in.^2$
(AL) 23.12 cm^2	(IT) 86 m^2	(AN) 9,600 $in.^2$	(NO) 25.92 cm^2
(EW) 846 $in.^2$	(CH) 1,200 $in.^2$	(GE) 300.56 m^2	(PL) 1,050 $in.^2$
(ER) 104 m^2			(TR) 85 cm^2

4	2	7	1	5	8	3	6