

# AREA OF QUADRILATERALS

## INVESTIGATION

### JEWELLERY COST



#### REQUIREMENT

Ruler

#### INSTRUCTIONS

TriQuad Jewellery Manufacturing Company has an order from a major jewellery store chain for 200 of the pendants shown.

The image is the actual size of the finished item.

Use a ruler to measure the required lengths.

Then complete the table below to calculate the production cost.

SHAPE	DIMENSIONS (CM)	AREA (CM <sup>2</sup> )
Small triangle	Base = Height =	
Medium triangle	Base = Height =	
Large triangle	Base = Height =	
Square	Side =	
Parallelogram	Length = Perpendicular Height =	

COLOUR	AREA (CM <sup>2</sup> )	COLOUR COST PER CM <sup>2</sup>	COST
Light green		\$ 0.75	
Medium green		\$ 0.78	
Blue green		\$ 0.90	
Timber look		\$ 0.45	
COST TO PRODUCE ONE PENDANT			
COST OF CHAIN FOR ONE PENDANT			\$ 5.20
TOTAL COST TO PRODUCE ONE PENDANT			
TOTAL COST TO PRODUCE 200 PENDANTS			