Da Vinci Proportions

I can plan an inquiry to test the accuracy of the Vitruvian Man.
I can record my results accurately.
I can explain what my results show.

Find out whether Leonardo da Vinci's ideas about the proportions of the human body were accurate.

The length of the outspread arms is equal to the height of a man.		The maximum width of the shoulders is one quarter of the height of a man.	

Complete this table with your measurements to find out.

Height (cm)	Da Vinci proportion to check	Measurement	Calculations: Is da Vinci's proportion accurate or not?
_____	Length of outspread arms is equal to height	Length of outspread arms (cm) _____	See if this measurement is the same as your height. _____
	Width of shoulders is one quarter of the height	Width of shoulders (cm) _____	Multiply the width of your shoulders by 4 to see if it equals your height. _____

What do your results show? Were da Vinci's ideas about the proportions of the human body accurate for you? If not, were they almost accurate?

_____

_____

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Find out whether Leonardo da Vinci's ideas about the proportions of the human body were accurate.

The length of the outspread arms is equal to the height of a man.	The distance from the elbow to the armpit is one eighth of the height of a man.
The length of a hand is one tenth of the height of a man.	The distance from the elbow to the tip of the hand is one fifth of the height of a man.
The distance from the top of the head to the bottom of the chin is one eighth of the height of a man.	The maximum width of the shoulders is one quarter of the height of a man.

Complete this table with your measurements to find out.

Height (cm)	Da Vinci proportion to check	Measurement	Calculations: Is da Vinci's proportion accurate or not?
_____	Width of shoulders is one quarter of the height.	Width of shoulders (cm) _____	Multiply the width of your shoulders by 4 to see if it equals your height. _____
	Distance from elbow to tip of hand is one fifth of the height.	Distance from elbow to tip of hand (cm) _____	Multiply the distance by 5 to see if it equals your height. _____

Height (cm)	Da Vinci proportion to check	Measurement	Calculations: Is da Vinci's proportion accurate or not?
_____	Choose your own proportion to check. _____	_____ _____ _____	_____ _____ _____

1. What do your results show? Were da Vinci's ideas about the proportions of the human body accurate for you? If not, were they almost accurate?

_____

2. If his ideas about proportions were not accurate for you, can you think of a reason why?

_____

_____

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Height (cm)	Da Vinci proportion to check	Measurement	Calculations: Is da Vinci's proportion accurate or not?
_____	Distance from elbow to tip of hand is one fifth of the height.	Distance from elbow to tip of hand (cm) _____	
	Distance from top of head to bottom of chin is one eighth of the height.	Distance from top of head to bottom of chin (cm) _____	

Height (cm)	Da Vinci proportion to check	Measurement	Calculations: Is da Vinci's proportion accurate or not?
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1. What do your results show? Were da Vinci's ideas about the proportions of the human body accurate for you? If not, were they almost accurate?

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2. If his ideas about proportions were not accurate for you, can you think of a reason why?

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