Name

1

A box is made from a 11cm by 10cm sheet of cardboard by cutting x cm into each side and folding up.

What is the maximum volume of the box?

A $V = 2.5cm^2$	B $V = 0.25cm^2$
C $V = 1cm^2$	

2

A box is made from a 3cm by 11cm sheet of cardboard by cutting x cm into each side and folding up.

What is the maximum volume of the box?

A $V = 16cm^2$	B $V = 18.25cm^2$
C $V = 15.25cm^2$	

3

A box is made from a 7cm by 8cm sheet of cardboard by cutting x cm into each side and folding up.

What is the maximum volume of the box?

A	B
$V = 0.25cm^2$	$V = 2.5cm^2$

4

A box is made from a 10cm by 7cm sheet of cardboard by cutting x cm into each side and folding up.

What is the maximum volume of the box?

A $V = 2.25cm^2$	B $V = 0.25cm^2$
C $V = 1.75cm^2$	

5

A box is made from a 8cm by 10cm sheet of cardboard by cutting x cm into each side and folding up.

What is the maximum volume of the box?

A $V = 0.75cm^2$	B $V = 1cm^2$
C $V = 1.5cm^2$	

6

A box is made from a 5cm by 5cm sheet of cardboard by cutting x cm into each side and folding up.

What is the maximum volume of the box?

A $V = 0cm^2$	B $V = 2.5cm^2$
C $V = 0.75cm^2$	

7

A box is made from a 2cm by 4cm sheet of cardboard by cutting x cm into each side and folding up.

What is the maximum volume of the box?

A	B
$V = 1.75cm^2$	$V = 1cm^2$

8

A box is made from a 11cm by 7cm sheet of cardboard by cutting x cm into each side and folding up.

What is the maximum volume of the box?

A $V = 4cm^2$	B $V = 6.5cm^2$
C $V = 2.5cm^2$	