1

A box is made from a 8cm by 4cm sheet of cardboard by cutting x cm into each side and folding up.

What value of x would maximize the volume of the box?

A	B
$x = 3cm$	$x = 3.5cm$
C $x = 2.25cm$	

2

A box is made from a 6cm by 9cm sheet of cardboard by cutting x cm into each side and folding up.

What value of x would maximize the volume of the box?

A	B
$x = 3.75cm$	$x = 1cm$
C $x = 5.75cm$	

3

A box is made from a 5cm by 2cm sheet of cardboard by cutting x cm into each side and folding up.

What value of x would maximize the volume of the box?

A	B
$x = 1.25cm$	$x = 1.75cm$

4

A box is made from a 9cm by 3cm sheet of cardboard by cutting x cm into each side and folding up.

What value of x would maximize the volume of the box?

A	B
$x = 3cm$	$x = 1.5cm$
C $x = 4.25cm$	

5

A box is made from a 3cm by 7cm sheet of cardboard by cutting x cm into each side and folding up.

What value of x would maximize the volume of the box?

A	B
$x = 1.75cm$	$x = 2.5cm$
C $x = 2.25cm$	

6

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

What value of x would maximize the volume of the box?

A	B
$x = 4cm$	$x = 6.5cm$

7

A box is made from a 11cm by 8cm sheet of cardboard by cutting x cm into each side and folding up.

What value of x would maximize the volume of the box?

A	B
$x = 4.5cm$	$x = 7cm$
C $x = 4.75cm$	

8

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

What value of x would maximize the volume of the box?

A	B
$x = 4.25cm$	$x = 4.5cm$
C $x = 7cm$	