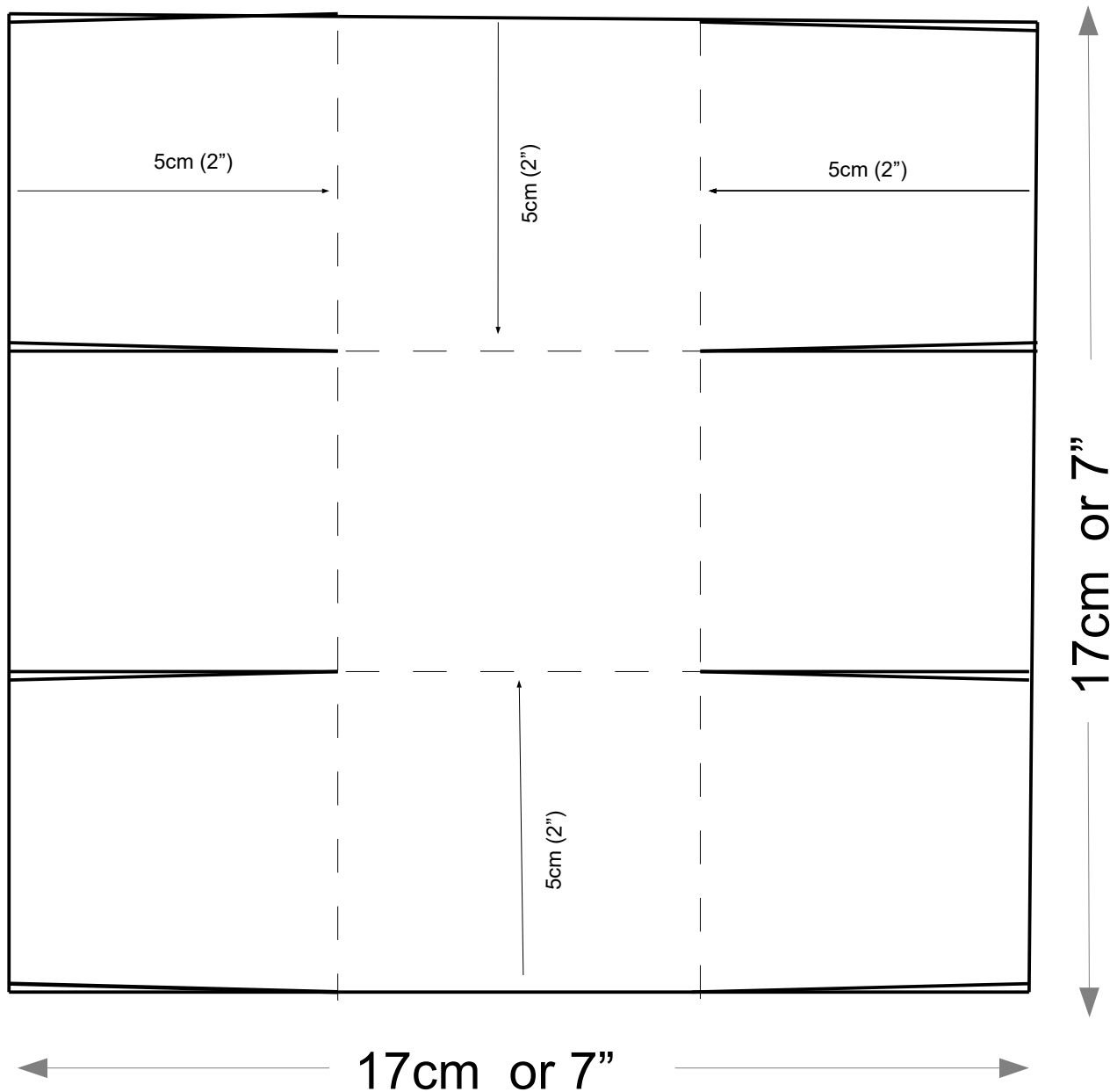
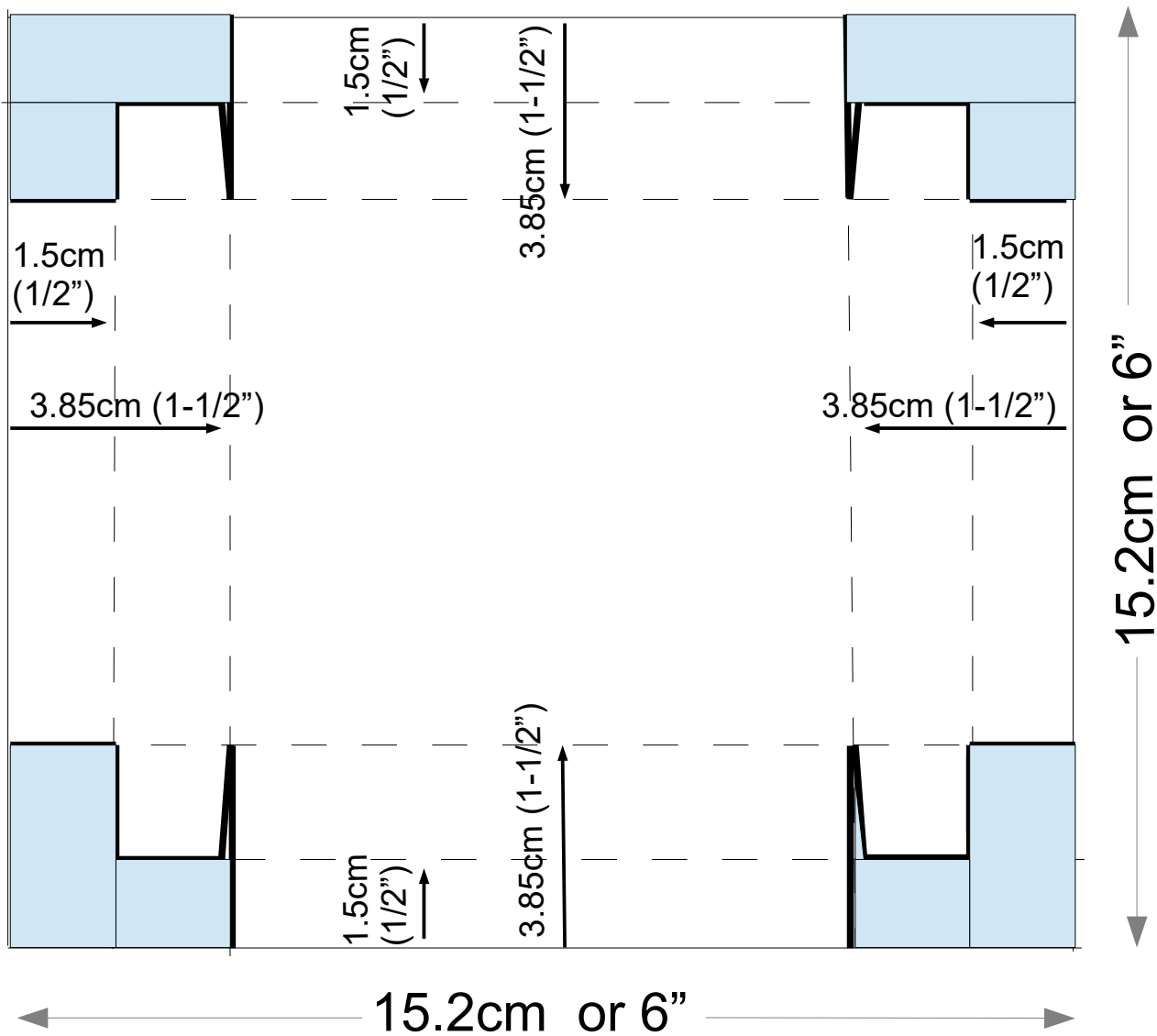


# Box Bottom



- \*Score at 5cm ( 2") from each side, see dotted lines
- \*Fold along score lines and burnish
- \*Cut on solid lines, 5cm (2") in on two sides
- \*Cut away the tiny triangles to form tabs on each side of the out side corners. About the width of your scissors blade.

# Box Top



- \*Score at 1.5cm ( 1/2") from each side at dotted lines
- \*Score again at 3.85cm (1" ) from each side
- \*Fold along score lines and burnish
- \*Cut on solid lines, 3.85cm (1") in on two sides
- \*Cut away the shaded areas to form the tabs
- \*Cut away the tiny triangles to form tabs on one side of the out side corners. About the width of your scissors blade.

# Formulas for Custom Size Boxes

## Square Box

### Box Bottom:

$$\begin{array}{ccccccc} \underline{\hspace{2cm}} & + & \underline{\hspace{2cm}} & + & \underline{\hspace{2cm}} & = & \underline{\hspace{2cm}} \\ \text{How tall your box will be} & & \text{How wide your box will be} & & \text{How tall your box will be} & & \text{The width \& length of} \\ & & & & \text{(repeat the first number)} & & \text{the bottom card stock} \end{array}$$

\*Cut your paper to the size for the box bottom. Now cut a sliver, (approximately the width of your paper trimmer's track) from the right side and the bottom. Doing this will guarantee your lid will fit, the bottom needs to be a bit smaller than the top.

\*Your score lines will be the "how tall your box will be" number from each side of your paper. Four score lines

\*For example: you need a box that is 9cm tall, 11cm wide and 11cm long. Your formula will look like this: 9cm + 11cm + 9cm = 29cm. Cut the card stock for the bottom of your box to 29cm x 29cm (a square) This is the orange and white box in the blog post photo. It was designed to fit an antique sugar bowl I gave as a gift.

### Box Top:

\*If you want your lid to completely cover the box bottom cut the lid paper to the same size as the bottom paper but **do not cut** the the extra sliver from the right and bottom sides. Your score lines will also be the same.

\*To have the box bottom showing determine how much you wish to show, for most boxes 2.5cm up to 4cm or 1" to 1-1/2" looks nice, go by how tall your box is, you may want more showing. Subtract this number from the above "how tall your box will be" to get the new number for How tall your lid will be".

\*Your score lines will be the "how tall your lid will be" number from *each* side of your paper. Four scores lines total

$$\begin{array}{ccccccc} \underline{\hspace{2cm}} & + & \underline{\hspace{2cm}} & + & \underline{\hspace{2cm}} & = & \underline{\hspace{2cm}} \\ \text{How tall your lid will be} & & \text{How wide your lid will be} & & \text{How tall your lid will be} & & \text{The width \& length of} \\ & & & & \text{(repeat the first number)} & & \text{the paper for the lid} \end{array}$$

\*For example: You want to make a card stock lid for the above example card stock box bottom. The sides of the box are 9cm tall, I wanted at least 4cm of the bottom to show beneath the lid. Subtract 4cm from 9cm (the height of your box). You lid height will be 5cm (9cm - 4cm = 5cm). The width of your lid will not change. The formula looks like this: 5cm + 11cm + 5cm + 21cm. Cut the card stock for the lid to 24cm x 24cm.

\* \* \* \* \*

\*If you want to have the reinforced sides, as the box shown in at the beginning of the post, add the amount to be turned up to your above lid measurements. In the example I used 1.5cm or 1/2". I usually do this when I am using a patterned paper as it is lighter weight than card stock. If I were making a card stock lid I would not do this as it would make the lid fit a little too tightly.

$$\begin{array}{ccccccc} \underline{\hspace{2cm}} & + & \underline{\hspace{2cm}} & + & \underline{\hspace{2cm}} & = & \underline{\hspace{2cm}} \\ \text{How tall your lid will be} & & \text{How wide your lid will be} & & \text{How tall your lid will be} & & \text{The width \& length of} \\ & & & & \text{(repeat the first number)} & & \text{the paper for the lid} \end{array}$$

\* This type of lid has two sets of score lines. From each side score the "turned under" measurement. The second set will be the "How tall your lid will be" measurement.

For example: Instead of card stock for the above box bottom we will use a pretty patterned paper. We know we want at least 4cm of the box showing so we will start with our 5cm number. To this we will add 1.5cm to be folded under on finishing the lid. The formula would look like this: 6.5cm + 12cm + 6.5cm = 24cm. Cut the patterned paper to 24 cm x 24cm. For the example your score lines will be at 1.5 cm from each side and again at 6.5cm. Eight score lines in total.

## Rectangular Box

Since the box we are making is a rectangle the starting sheet of card stock will also be a rectangle. We will use the same formula as for the square box except now we will need to use it twice. Once to get the short side of the box and again to get the long sides of our box. The height of the box will not change.

### Box Bottom:

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

How tall your box will be      How wide your box will be      How tall your box will be (repeat the first number)      The width of the bottom card stock

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

How tall your box will be      How long your box will be      How tall your box will be (repeat the first number)      The length of the bottom card stock

\*Cut your paper to the size for the box bottom. Now cut a sliver, (approximately the width of your paper trimmer's track) from the right side and the bottom. Doing this will guarantee your lid will fit, the bottom needs to be a bit smaller than the top.

\*The score lines will be the "How tall your box will be" measurement from each side.

*Box example:* You need a rectangular box that is 8cm tall, 10 cm wide and 20cm long. Your formulas will look like this:

$$6\text{cm} + 9\text{cm} + 6\text{cm} = 21\text{cm}$$

$$6\text{cm} + 18\text{cm} + 6\text{cm} = 27\text{cm}$$

Cut your paper to 21cm x 30cm. Remember to shave off about 2mm from each of 2 sides. Score 6cm from each side. Four score lines. There is a picture of this box in the blog post, it is made from a wonderful tulip patterned paper.

### Box Top:

\*Repeat the directions from the square box top(s) adding in the extra formula.

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

How tall your lid will be      How wide your lid will be      How tall your lid will be (repeat the first number)      The width of the lid

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

How tall your lid will be      How wide your lid will be      How tall your lid will be (repeat the first number)      The length of the lid

*Example No. 1* To make a lid for the above box bottom that completely covers the box's sides.

Note this formula is exactly the same as the box bottom.

$$6\text{cm} + 9\text{cm} + 6\text{cm} = 21\text{cm}$$

$$6\text{cm} + 18\text{cm} + 6\text{cm} = 27\text{cm}$$

Cut your paper to 21cm x 27cm. Score 8cm from each side. Four score lines

*Example No. 2* To make a lid for the above box bottom that shows 3cm of the box base:

Box sides 6cm – 3cm (amount you want to show) = 3cm

$$3\text{cm} + 9\text{cm} + 3\text{cm} = 15\text{cm}$$

$$3\text{cm} + 18\text{cm} + 3\text{cm} = 24\text{cm}$$

Cut your paper to 15cm x 24cm. Score 3cm from each side. Four score lines

*Example No. 3* To make a paper lid for the above box bottom that shows 3cm of the box base and is reinforced:

Box sides 6cm – 3cm (amount you want to show) = 3cm is the new lid side height, now add in the amount you want to fold up as a reinforcement, in this case we will use 1.5cm: 3cm + 1.5cm = 4.5cm. The finished lid height will still be 3cm.

$$4.5\text{cm} + 9\text{cm} + 4.5\text{cm} = 18\text{cm}$$

$$4.5\text{cm} + 18\text{cm} + 4.5\text{cm} = 27\text{cm}$$

Cut your paper to 18cm x 27cm. Score 1.5cm from each side and again at 4.5cm from each side. Eight score lines.