

## Cardboard box factory worksheet — Answer key

**Directions:** Use the following table to record the results from the previous page.

|               |                |   |
|---------------|----------------|---|
| <b>Net #1</b> |                |   |
| Side A        | Length = 2 ft. |   |
|               | Width = 2 ft.  | Area Side A = 4 ft. <sup>2</sup>                |
| Side B        | Length = 7 ft. |   |
|               | Width = 2 ft.  | Area Side B = 14 ft. <sup>2</sup>               |
| Side C        | Length = 2 ft. |   |
|               | Width = 2 ft.  | Area Side C = 4 ft. <sup>2</sup>                |
| Side D        | Length = 7 ft. |   |
|               | Width = 3 ft.  | Area Side D = 21 ft. <sup>2</sup>               |
| Side E        | Length = 7 ft. |   |
|               | Width = 2 ft.  | Area Side E = 14 ft. <sup>2</sup>               |
| Side F        | Length = 7 ft. |   |
|               | Width = 3 ft.  | Area Side F = 21 ft. <sup>2</sup>               |
|               |                | <b>Total Surface Area = 78 ft.<sup>2</sup></b>  |
|               |                |   |
| <b>Net #2</b> |                |   |
| Side A        | Length = 6 ft. |   |
|               | Width = 3 ft.  | Area Side A = 18 ft. <sup>2</sup>               |
| Side B        | Length = 3 ft. |   |
|               | Width = 4 ft.  | Area Side B = 12 ft. <sup>2</sup>               |
| Side C        | Length = 6 ft. |   |
|               | Width = 4 ft.  | Area Side C = 24 ft. <sup>2</sup>               |
| Side D        | Length = 3 ft. |   |
|               | Width = 4 ft.  | Area Side D = 12 ft. <sup>2</sup>               |
| Side E        | Length = 6 ft. |   |
|               | Width = 3 ft.  | Area Side E = 18 ft. <sup>2</sup>               |
| Side F        | Length = 6 ft. |   |
|               | Width = 4 ft.  | Area Side F = 24 ft. <sup>2</sup>               |
|               |                | <b>Total Surface Area = 108 ft.<sup>2</sup></b> |
|               |                |   |
| <b>Net #3</b> |                |   |
| Side A        | Length = 3 ft. |   |
|               | Width = 5 ft.  | Area Side A = 15 ft. <sup>2</sup>               |
| Side B        | Length = 3 ft. |   |
|               | Width = 2 ft.  | Area Side B = 6 ft. <sup>2</sup>                |
| Side C        | Length = 2 ft. |   |
|               | Width = 5 ft.  | Area Side C = 10 ft. <sup>2</sup>               |
| Side D        | Length = 3 ft. |   |
|               | Width = 5 ft.  | Area Side D = 15 ft. <sup>2</sup>               |
| Side E        | Length = 2 ft. |   |
|               | Width = 5 ft.  | Area Side E = 10 ft. <sup>2</sup>               |
| Side F        | Length = 3 ft. |   |
|               | Width = 2 ft.  | Area Side F = 6 ft. <sup>2</sup>                |
|               |                | <b>Total Surface Area = 62 ft.<sup>2</sup></b>  |