

BOYS 128–170 cm

Size cm	128	134	140	146	152	158	164	170
1. Chest measurement	66	68	71	75	78	81	84	87
2. Waist measurement	59	61	63	66	68	70	72	74
3. Hip measurement	70	72	75	78	81	84	87	90
4. Back waist length	31	32.5	34	35.5	37	39	41	43
5. Arm length	44	46	49	51.5	54	56.5	59	61.5
6. Outside leg length	78	82	86	90	93.5	97	100.5	104
7. Shoulder length	10.4	10.8	11.2	11.6	12	12.5	13	13.5

Measuring the child

For taking the measurements, you'll need a tape measure and a length of firm tape that is placed round the waist. You can sew a waist tape for this purpose of a strip of cotton folded in four (finished width 15 mm). Place the tape horizontally round the child's waist and secure with a safety pin.

The child should stand upright with a relaxed posture with the arms hanging free at the sides.

The measurements are taken on top of underwear (briefs and a light-weight undershirt) close to the body, yet not too tight. It is advisable to take the measurements in front of a mirror so that you can see the position of the tape measure behind the child.

Height of the child:

With the child standing up with the back and heels against a wall, mark the height at the top of the head on the wall using a straight angle (e.g. a book). The height of the child is the distance measured from the floor to the marking.

1. Chest measurement:

Horizontal measurement round the body with the tape measure running over the chest and shoulder blades.

2. Waist measurement:

Measurement round the waist without the waist tape.

3. Hip measurement:

Horizontal measurement round the seat (the fullest part of the bottom).

4. Back waist length:

Distance from the most prominent vertebra at the base of the neck to the lower edge of the waist tape.

5. Arm length:

Distance from the tip of the shoulder to the wrist measured over the elbow with the arm slightly bent.

6. Outside leg length:

Distance from the waist to the floor measured from the lower edge of the waist tape.

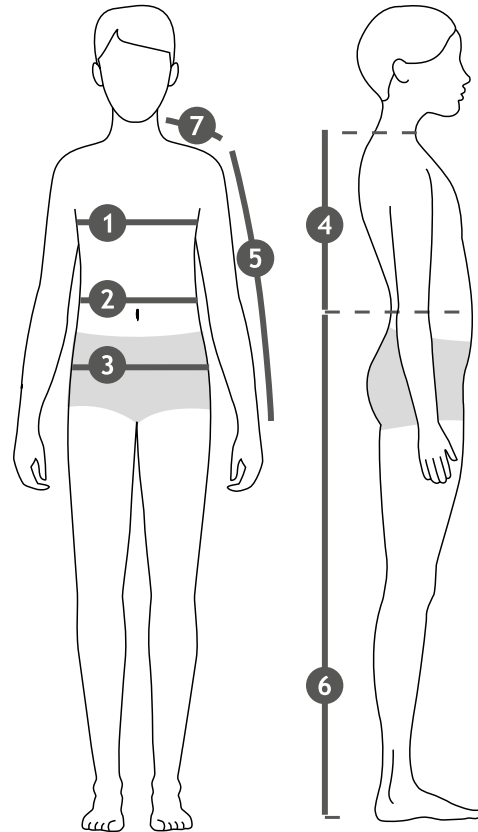
7. Shoulder length:

Distance from the base of the neck to the tip of the shoulder.

How to choose the correct size

The measurements in the chart are taken on the body. The patterns include the necessary allowances for ease of movement.

Children's pattern sizes are primarily chosen according to the child's height, and the pattern measurements are then adjusted to correspond to the child's other body measurements. Take the measurements on top of thin underwear and compare them with the size chart.



BOYS 128–170 cm

Name _____

Age _____

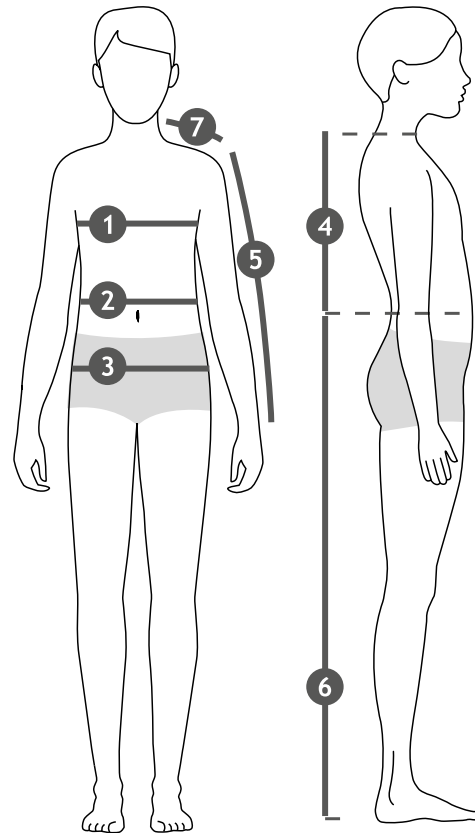
Date _____

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Read the measuring instructions on page 1 carefully.

Height of the child:	Size:
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	Personal measurement (cm)	Reference measurement (cm) from the size chart	Difference (cm)
1. Chest measurement			
2. Waist measurement			
3. Hip measurement			
4. Back waist length			
5. Arm length			
6. Outside leg length			
7. Shoulder length			



What does the pattern size indicate?

OTTOBRE design® magazines use the European sizing system, in which the clothes sizes are based on the child's height. The other measurements that affect the fit of clothes are given in our size charts. The pattern sizes are expressed in centimeters in increments of 6 cm, usually starting at size 50 cm.

The size number means that a size 140 cm pattern, for example, is the best fit on a child whose height is around 140 cm and whose chest, waist and hip measurements correspond to those given in the size chart for that height.

The most important length measurements to be checked against the size

chart are the arm length, the outside leg length and the back waist length. You'll find the size charts and measuring instructions on the previous page.

Does the pattern allow for growing room?

Besides the design ease and the amount of ease that works for the intended fabric, the patterns include the necessary wearing ease.

The patterns do not have a built-in allowance for growing room. However, we occasionally add features to our designs that extend the life of the garment. These include turn-up sleeve or leg cuffs, or adjustment buttons on shoulder straps.

When a child grows 6 cm, which corresponds to one pattern size, the

chest, waist and hip measurements only increase by 2–3 cm. If the child's measurements correspond to those of the size chart, it's not advisable to add any extra for growing room except perhaps to the length measurements of the pattern.

How to choose the correct pattern size?

For a start, it's essential to take the child's measurements carefully. Measure the child's height first, then find the pattern size in the size chart that corresponds closest to the height.

- If the child's height (e.g. 137 cm) falls between two pattern sizes, choose the size by comparing the child's chest, waist or hip measurement with the corresponding measurements in the size chart. If the difference between

the measurements is only $\pm 1-2$ cm, there is no need to adjust the pattern. The bigger pattern size (in this case 140 cm) will work well!

- If the child is slightly slimmer than the size chart measurements, choose the smaller size (in this case 134 cm) and add 1–2 cm extra to the sleeve length and to the hemline of a shirt, or 2–3 cm to the length of pants legs. Adjust the sleeve, hemline and leg lengths when you try the garment on the child.

Please read our article *Pattern Adjustment* in the OTTOBRE LAB section of our website. The article tells you how you can easily adjust patterns to fit the child's personal measurements.