



Task-based Activity Cover Sheet

Task Title: Tracking Height and Weight Percentiles

<b>Learner Name:</b>	
<b>Date Started:</b>	<b>Date Completed:</b>
<b>Successful Completion:</b> Yes ___ No ___	
<b>Goal Path:</b> Employment ✓ Apprenticeship ___ Secondary School ___ Post Secondary ___ Independence ✓	
<b>Task Description:</b> The learner will use height and weight percentile charts to monitor a child’s growth over time.	
<b>Competency:</b> C: Understand and Use Numbers A: Find and Use Information	<b>Task Group(s):</b> C4: Manage Data A2: Interpret Documents
<b>Level Indicators:</b> C4.3: Find, integrate and analyze data; identify trends in data A2.3: Interpret somewhat complex documents to connect, evaluate and integrate information	
<b>Performance Descriptors:</b> see chart <a href="#">or click here</a>	
<b>Skill Building Activities:</b> see last page <a href="#">or click here</a>	
<b>Materials Required:</b> <ul style="list-style-type: none"><li>• Pen/pencil</li><li>• Attached charts</li></ul>	
<b>ESKARGO:</b> <ul style="list-style-type: none"><li>• Manages unfamiliar elements (context, content) to complete tasks</li><li>• Makes estimates involving many factors where precision is required</li><li>• Begins to recognize bias in data and in displays, such as graphs</li><li>• Identifies a variety of ways to complete tasks</li><li>• Finds, integrates, and analyses data</li><li>• Organizes and represents numerical information (e.g., tables, graphs)</li><li>• Makes predictions using data; identifies trends</li><li>• Uses strategies to check accuracy</li></ul>	
<b>Attitudes:</b> Practitioner, We encourage you to talk with the learner about attitudes required to complete this task set. The context of the task has to be considered when identifying attitudes. With your learner, please check one of the following: <input type="checkbox"/> Attitude is not important <input type="checkbox"/> Attitude is somewhat important <input type="checkbox"/> Attitude is very important	



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Some health care professionals use height and weight percentile charts as one of their guidelines to monitor a child’s growth.

Look at the “Birth to 36 months: Boys” and the “Girls, birth to 36 months” growth charts.

**Learner Information and Tasks:**

**Task 1:** a) Plot the following weight information on the “Birth to 36 months: Boys” percentiles chart:

Birth	8 lb 3 oz		21 months	26 lb 7 oz
3 months	12 lb 8 oz		24 months	27 lb 6 oz
6 months	16 lb		27 months	28 lb 4 oz
9 months	20 lb 15 oz		30 months	29 lb 1 oz
12 months	22 lb 1 oz		33 months	30 lb 4 oz
15 months	24 lb		36 month	31 lb 8 oz
18 months	25 lb 14 oz			

b) Plot the same weights on the “Weight-for-age percentiles: Girls birth-36 months” chart.

c) What difference do you notice between the lines you have created on the two charts?



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**Task 2:** a) Plot the following height information on the “Birth to 36 months: Boys” percentiles chart:

Birth	21 ½”		21 months	33 ¾”
3 months	24 ¾”		24 months	34 ½”
6 months	27”		27 months	36 ¼”
9 months	29”		30 months	37”
12 months	30 ½”		33 months	38 ½”
15 months	31 ½”		36 month	39 ½”
18 months	32”			

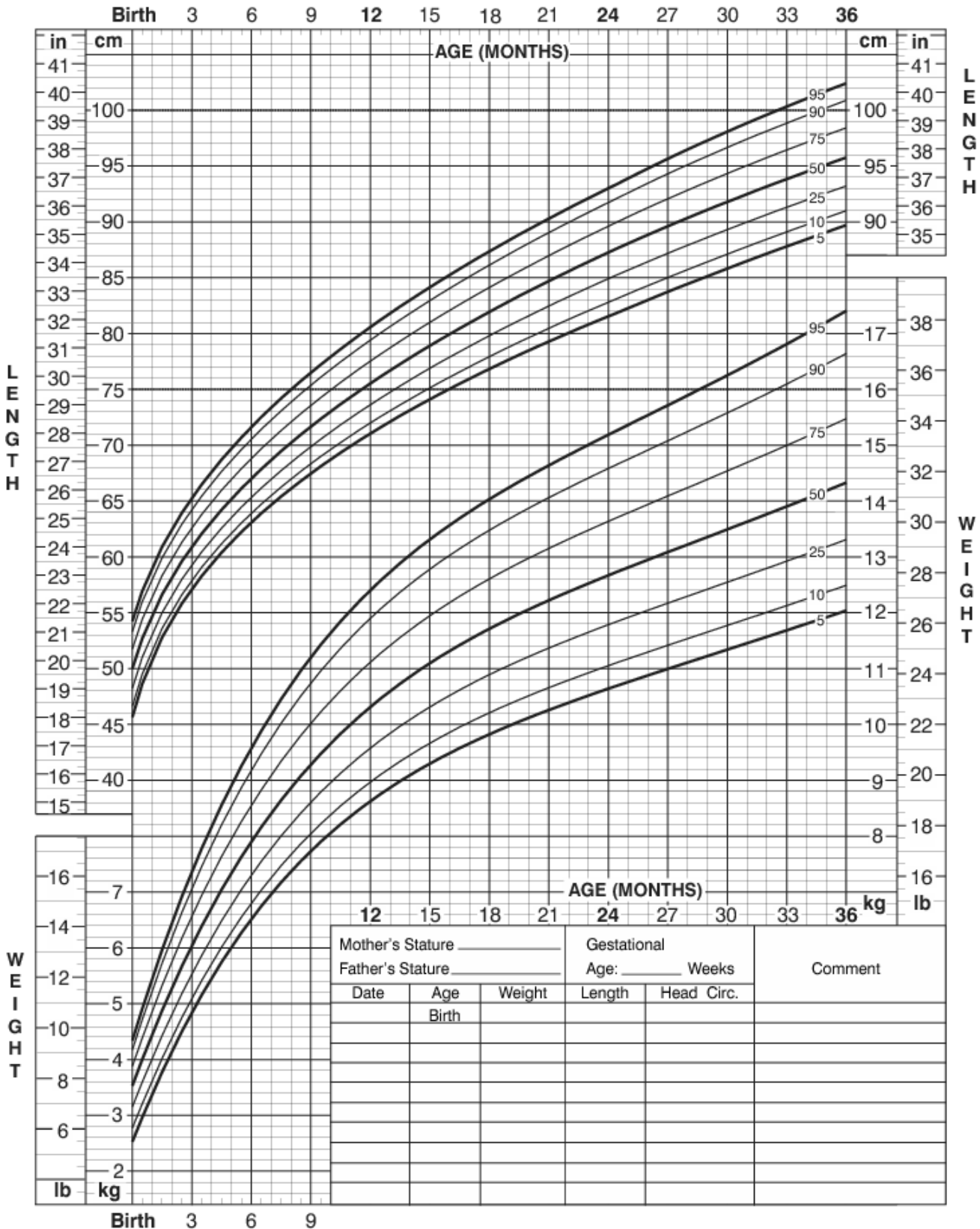
b) What percentile would this child fall into?



**Birth to 36 months: Boys**  
**Length-for-age and Weight-for-age percentiles**

NAME \_\_\_\_\_

RECORD # \_\_\_\_\_

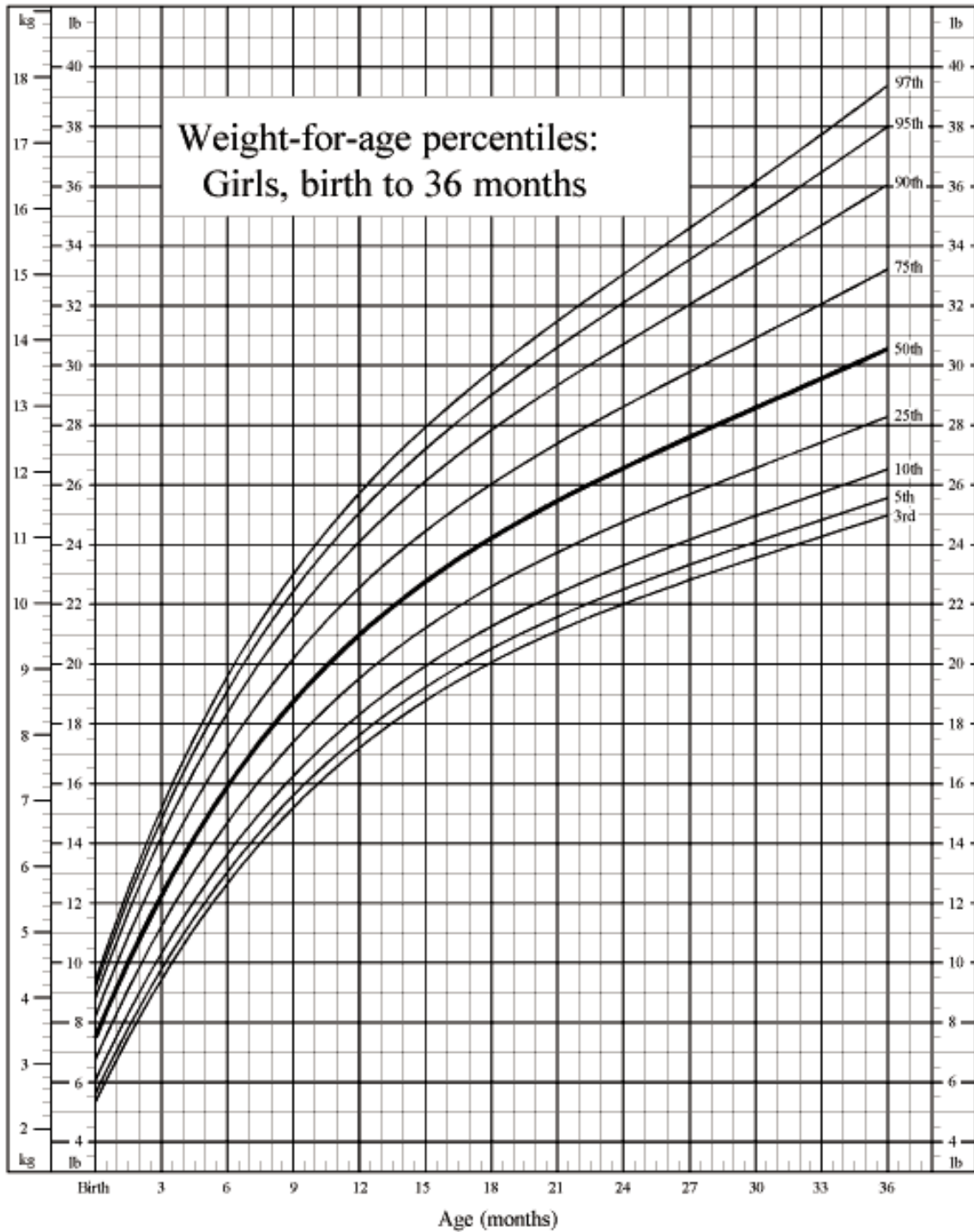


Published May 30, 2000 (modified 4/20/01).  
 SOURCE: Developed by the National Center for Health Statistics in collaboration with the National Center for Chronic Disease Prevention and Health Promotion (2000).  
<http://www.cdc.gov/growthcharts>





### CDC Growth Charts: United States



SOURCE: Developed by the National Center for Health Statistics in collaboration with the National Center for Chronic Disease Prevention and Health Promotion (2000).





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Answer Key

Task 1: a) Plot the following weight information on the “Birth to 36 months: Boys” percentiles chart:

see chart

b) Plot the same weights on the “Weight-for-age percentiles: Girls birth-36 months” chart.

see chart

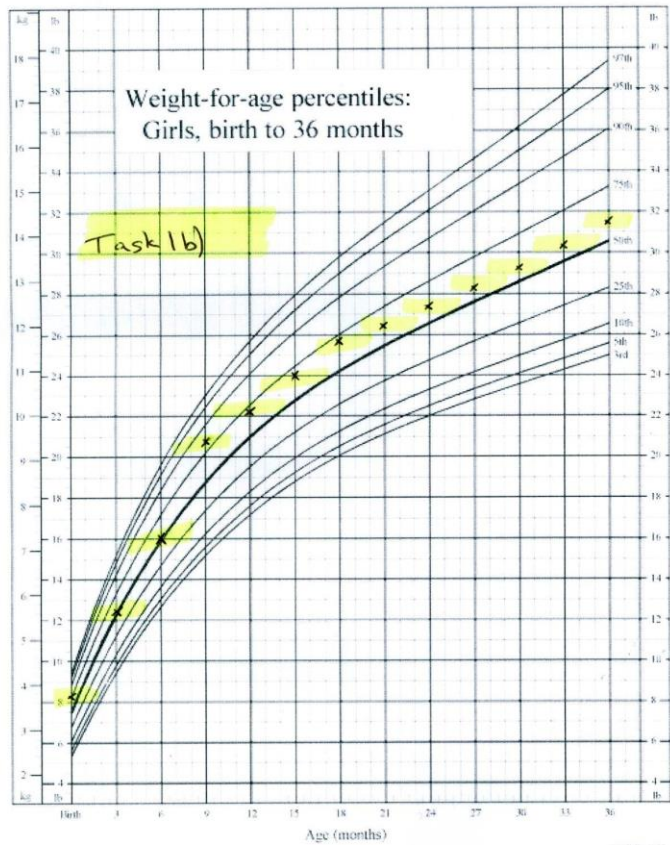
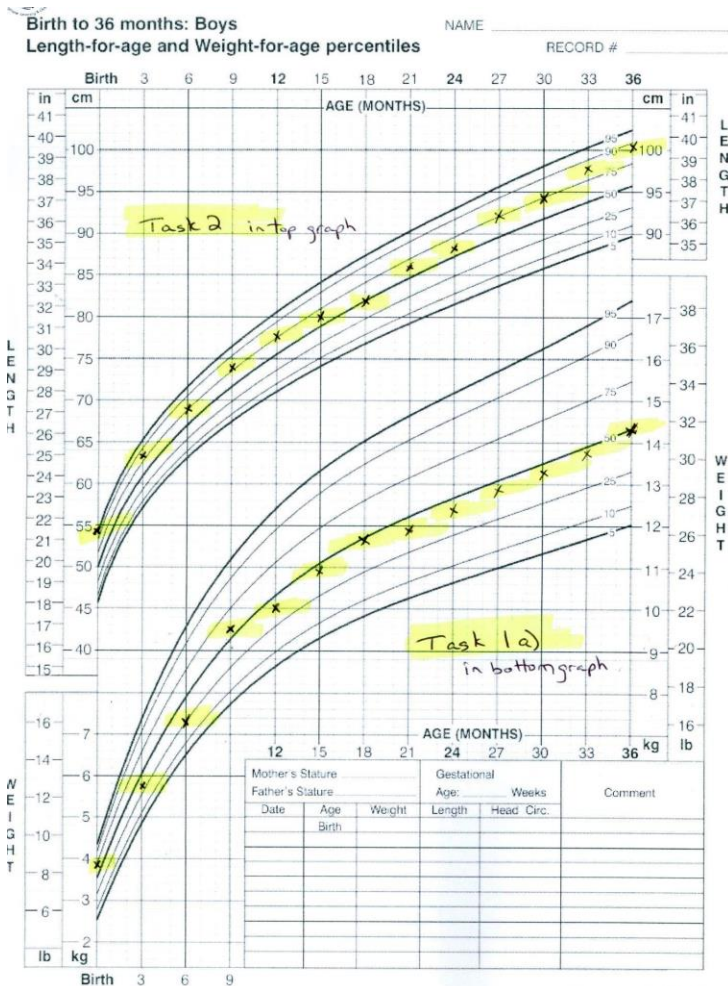
c) What difference do you notice between the two charts?

Their answer should indicate that a girl will be in a higher percentile than a boy of the same age and weight.

Task 2: a) Plot the following height information on the “Birth to 36 months: Boys” percentiles chart:

see chart

b) This child would fall into the 91<sup>st</sup> percentile. (90 to 93 is acceptable)





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Performance Descriptors		Needs Work	Completes task with support from practitioner	Completes task independently
C4.3	<ul style="list-style-type: none"> <li>manages unfamiliar elements (e.g. context, content) to complete tasks</li> </ul>			
	<ul style="list-style-type: none"> <li>makes estimates involving many factors where precision is required</li> </ul>			
	<ul style="list-style-type: none"> <li>begins to recognize bias in data and in displays, such as graphs</li> </ul>			
	<ul style="list-style-type: none"> <li>selects appropriate steps to solutions from among options</li> </ul>			
	<ul style="list-style-type: none"> <li>interprets, represents and converts values using whole numbers, decimals, percentages, ratios and fractions</li> </ul>			
	<ul style="list-style-type: none"> <li>finds integrates and analyzes data</li> </ul>			
	<ul style="list-style-type: none"> <li>organizes and represents numerical information (e.g. tables, graphs)</li> </ul>			
	<ul style="list-style-type: none"> <li>makes predictions using data; identifies trends</li> </ul>			
A2.3	<ul style="list-style-type: none"> <li>manages unfamiliar elements (e.g. vocabulary, context, topic) to complete tasks</li> </ul>			
	<ul style="list-style-type: none"> <li>compares or contrasts information between two or more documents</li> </ul>			
	<ul style="list-style-type: none"> <li>uses layout to locate information</li> </ul>			
	<ul style="list-style-type: none"> <li>makes inferences and draws conclusions from information displays</li> </ul>			

This task: was successfully completed \_\_\_ needs to be tried again \_\_\_

<b>Learner Comments</b>

\_\_\_\_\_  
Instructor (print)

\_\_\_\_\_  
Learner Signature



## Skill Building Activities

### Links to online resources:

<https://www.khanacademy.org/science/health-and-medicine/healthcare-misc/v/childhood-growth>

Childhood Growth Chart Explained (12 min)

<https://www.youtube.com/watch?v=Cyae-zAilLs>

Learn how to interpret infant growth chart guidelines from pediatrician (1.38 min)

<https://www.youtube.com/watch?v=GUYRMdcEs00>

Graphing by Hand (5.38 Min)

### LearningHUB online courses available:

- **Math, Independent Study (Assigned by practitioner after assessment) :**
  - Data Analysis Assignment; Measurement Assignment; Percentages & Mixed Operations Asg.2
- **Essential Skills, Independent Study (Assigned by practitioner after assessment):**
  - Document Use Level 2 Asg. 2; Document Use Level 3 Asg. 1
  - **Live Classes (SABA) :** Percentages A; Percentages B

**\*To access LearningHUB courses**, learners must register for the LearningHUB e-Channel program by completing the registration form on their website and completing the course selection (page 2 of the registration form): [https://www.learninghub.ca/get\\_registered.aspx](https://www.learninghub.ca/get_registered.aspx)

### **\*To Access LearningHUB Course Catalogue:**

<http://www.learninghub.ca/Files/PDF-files/HUBcoursecatalogue,%20December%202023,%202014%20revision.pdf>