



Grade 5 – Formula Ethara

Student Name –

Grade -

Student ID No. -

Task 1:

6 marks

Label the following components of the car in the diagram below:

Wheels

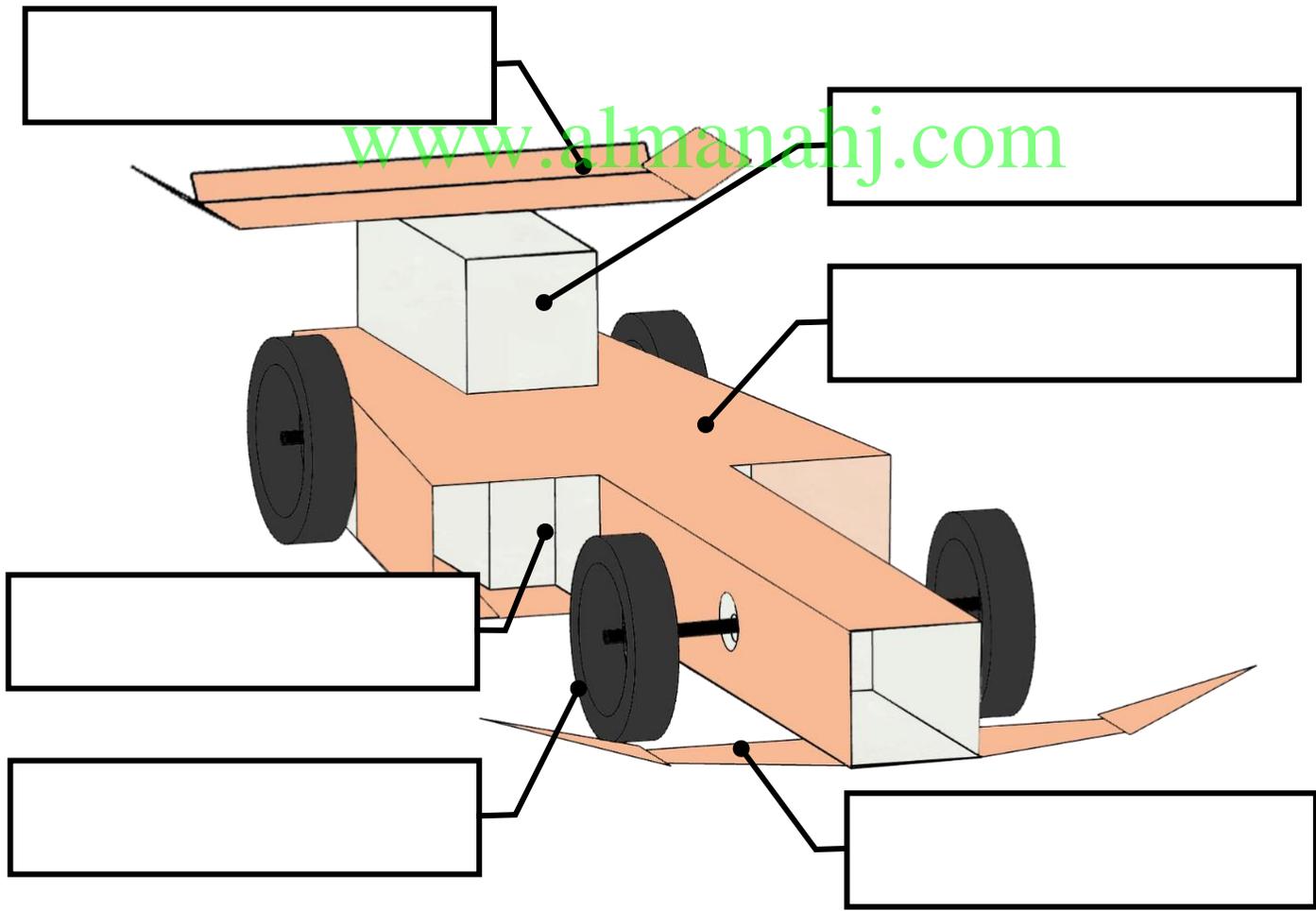
Rear Wing

Canister
Housing

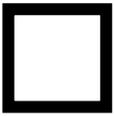
Chassis

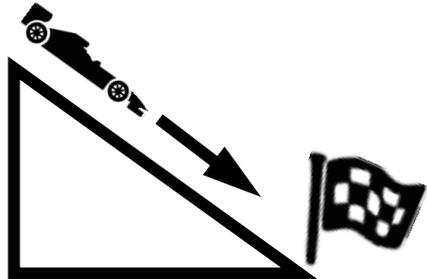
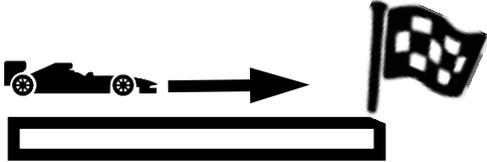
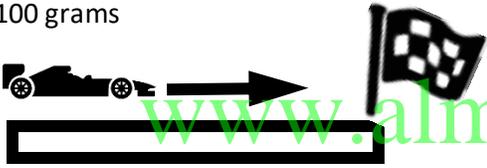
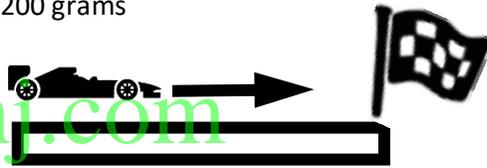
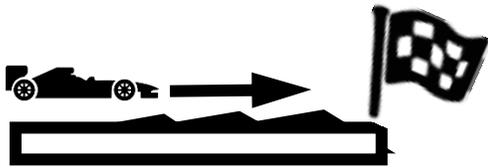
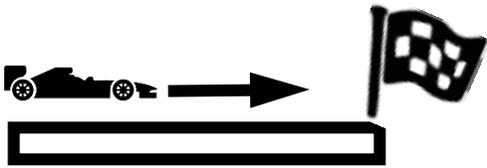
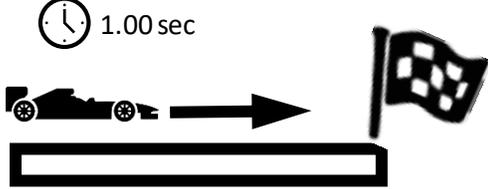
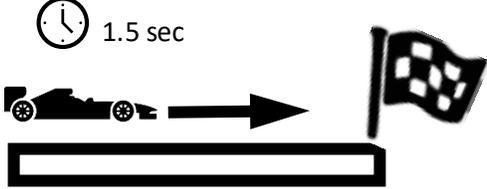
Outer Body

Front Wing



Task 2:		3 marks
Draw a line to match the team role on the left to the correct responsibility on the right.		
 Team Manager	www.almanahj.com	Makes sure the car is built correctly
 Design Engineer		Makes sure the car looks good
 Graphic Designer		Makes sure the car is built on time

Task 3:		2 marks
Which shape is the most aerodynamic shape? Which shape is the least aerodynamic shape? Draw your answer in the box below.		
  		
3.1	The most aerodynamic shape is:	
3.2	The least aerodynamic shape is:	

Task 4:	4 marks	
Read the descriptions and circle the Formula Ethara car that will finish first.		
4.1	Car 1 is going down a slope while Car 2 is on a flat surface.	
	 <p style="text-align: center;">1</p>	 <p style="text-align: center;">2</p>
4.2	Car 1 weighs 100 grams and Car 2 weighs 200 grams.	
	<p>100 grams</p>  <p style="text-align: center;">1</p>	<p>200 grams</p>  <p style="text-align: center;">2</p>
4.3	Car 1 is driving on a rough surface and Car 2 is driving on a smooth surface.	
	 <p style="text-align: center;">1</p>	 <p style="text-align: center;">2</p>
4.4	Car 1 has a 1 second reaction time and Car 2 has a 1.5 second reaction time.	
	<p>🕒 1.00 sec</p>  <p style="text-align: center;">1</p>	<p>🕒 1.5 sec</p>  <p style="text-align: center;">2</p>



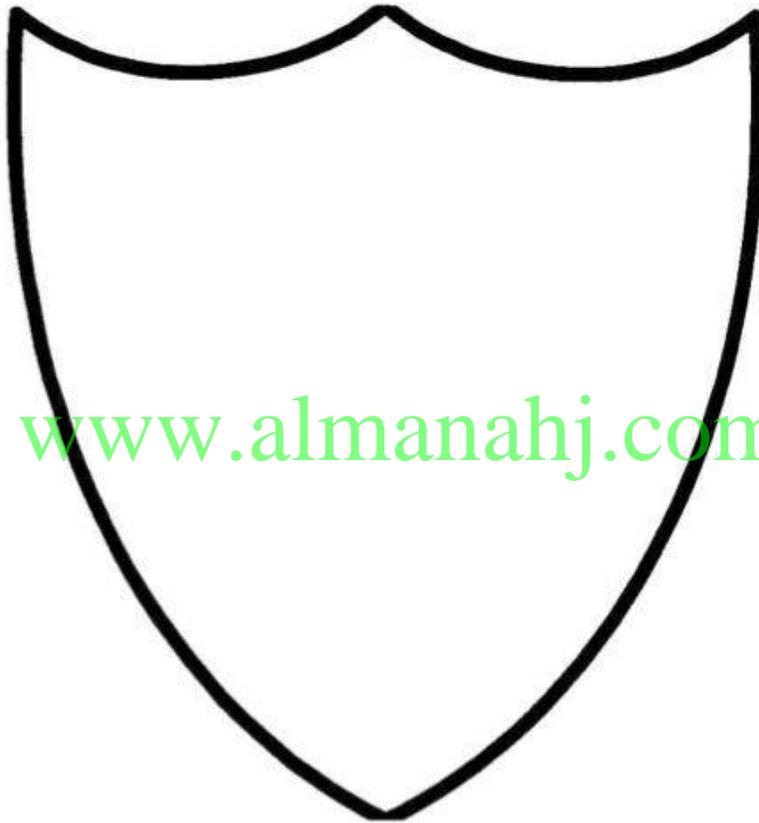
Task 5:	5 marks
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Read the following branding information for a Formula Ethara team:

Name: Team Zebra

Colour Theme: Black and White

Using this information, design a logo for this team. Part of it has been done for you.



Task 1	Task 2	Task 3	Task 4	Task 5
/ 6	/ 3	/ 2	/ 4	/ 5
Summative Assessment Total				/ 20