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BLAZE  
STEM ACTIVITY  
PACK





# ENGINEERING

SEE IF YOU CAN HELP AJ AND BLAZE SOLVE THESE SCIENCE, TECHNOLOGY, ENGINEERING AND MATH PROBLEMS!

WITH **TOP WING**  
AND **BLAZE**

BLAZE AND AJ NEED TO FIGURE OUT THE WAY TO THE MONSTER DOME. CAN YOU DRAW A PATH FOR THEM?

"We'll need **ACCELERATION** to get to the Monster Dome quickly".



## SCIENCE:

"knowledge attained through study or practice"



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**CIRCLE THE RAMP THAT WILL HELP BLAZE JUMP THE HIGHEST**

Blaze speeds toward three ramps, only one can get him a high enough *TRAJECTORY* to get over the mud ball.

1.



2.



3.

**TECHNOLOGY:**

"Explores tools, machines and materials used to solve problems."

Answer: #2

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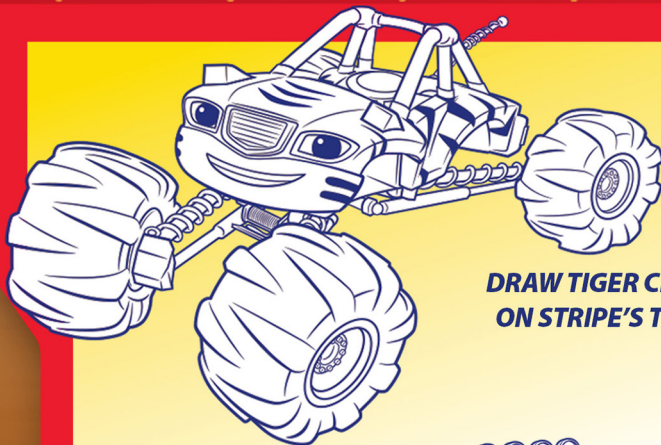


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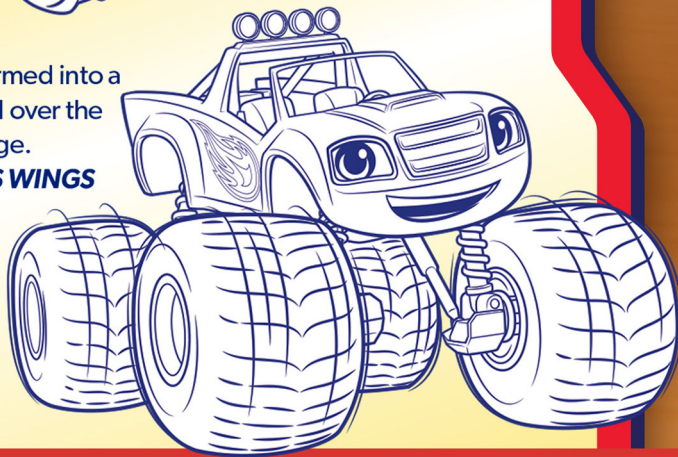
"We need to get over the Axle City Garage!"  
Stripes growled. I can climb with my tiger claws.  
They give me great **TRACTION!**"



**DRAW TIGER CLAWS  
ON STRIPE'S TYRES**

Blaze transformed into a  
glider to sail over the  
garage.

**DRAW HIS WINGS**



## ENGINEERING:

"The design and construction of powerful machines"

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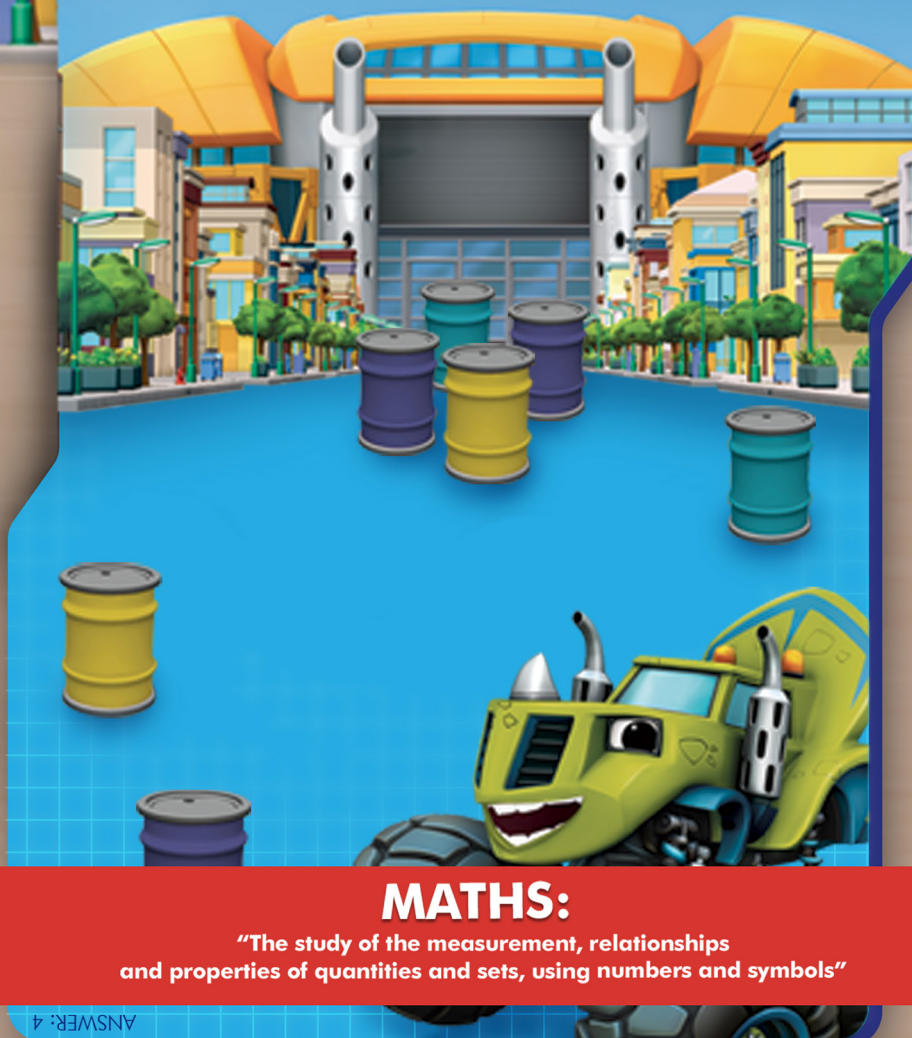


# BLAZE STEM ACTIVITY PACK ENGINEERING

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Zeg needs to use **FORCE** to clear the path to the Monster Dome for Blaze! **Draw an 'X' over the oil drums that Zeg needs to smash and bash.**

HOW MANY BARRELS ARE IN THE WAY? \_\_\_\_\_



## MATHS:

"The study of the measurement, relationships and properties of quantities and sets, using numbers and symbols"

ANSWER: 4

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