

Materials and Answer Key

(note each object needs to have that label attached!)

Team 1

Player 1 -

Q1: Find a cube with a face 6 inches long. Drag only black for a hint.



Standards Alignment:

2nd Grade CCSS.MATH.CONTENT.2.MD.A.3

Player 2 - Find a rectangular prism with its longest edge about 6 inches. Drag only black for a hint.

Q1:

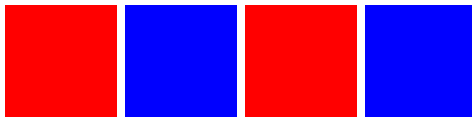


Standards Alignment:

2nd Grade CCSS.MATH.CONTENT.2.MD.A.3

Player 3 - Find a 6 inch tall cylinder. Drag only black for a hint.

Q1:



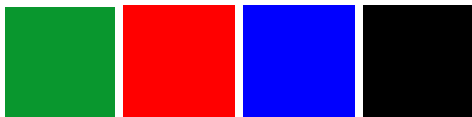
Standards Alignment:

2nd Grade CCSS.MATH.CONTENT.2.MD.A.3

Team Wide

Q2(2.1):

Find a volume about 6 inches wide, with no flat faces. Drag only black for a hint.



Standards Alignment:

7th Grade CCSS.MATH.CONTENT.7.G.B.4

Reasoning: Students would need to understand the concept of diameter since this is referencing a sphere

Q3(2.2):

Find a volume where each face has 4 right angles and all sides are 6 inches long. Drag only black for a hint.



Standards Alignment:

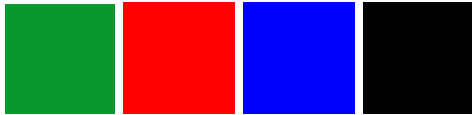
2nd Grade CCSS.MATH.CONTENT.2.MD.A.3

4th Grade CCSS.MATH.CONTENT.4.G.A.1 (Introducing the concept of an angle)

Reasoning: Students should be explicitly taught the term “face.”

Q4(3.1):

Find a sphere about 6 inches tall. Drag only black for a hint.



Standards Alignment: Grade 7 CCSS.MATH.CONTENT.7.G.B.4

Reasoning: Students would need to understand the concept of diameter

Q5(3.2):

Find a volume with 4 faces, with all acute angles. Drag only black for a hint.



Standards Alignment:

2nd Grade CCSS.MATH.CONTENT.2.MD.A.3

4th Grade CCSS.MATH.CONTENT.4.G.A.1 (Introducing the concept of an angle)

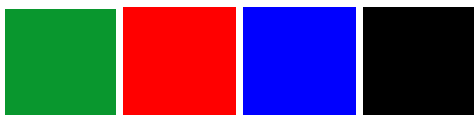
Reasoning: Students should be explicitly taught the terms “face” and “acute angle.”

Question: What are students estimating?

Team 2

Player 4(1) -

Q1: Find a sphere about 6 inches in diameter. Drag only black for a hint.

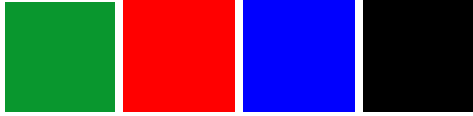


Standards Alignment: Grade 7 CCSS.MATH.CONTENT.7.G.B.4

Reasoning: Students would need to understand the concept of diameter

Player 5(2) -

Q1: Find a sphere about 6 inches in diameter. Drag only black for a hint.



Standards Alignment:

7th Grade CCSS.MATH.CONTENT.7.G.B.4

Reasoning: Students would need to understand the concept of diameter

Player 6(3) - Find a rectangular prism with its longest edge about 11 inches. Drag only black for a hint.



Standards Alignment:

2nd Grade CCSS.MATH.CONTENT.2.MD.A.3

Recommended Language Change: Find a rectangular prism with an edge that is about/ approximately 11 inches long.

Team Wide

Q2(2.1):

Find a shape with 2 flat sides and 1 curved side, 8 inches tall. Drag only black for a hint.



Standards Alignment:

2nd Grade CCSS.MATH.CONTENT.2.MD.A.3

Q3(2.2):

Find a volume with 4 triangular faces, with all acute angles. Drag only black for a hint.



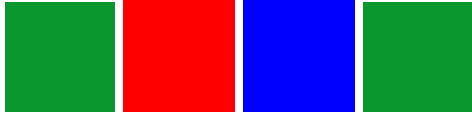
Standards Alignment:

2nd Grade CCSS.MATH.CONTENT.2.MD.A.3

4th Grade CCSS.MATH.CONTENT.4.G.A.1 (Introducing the concept of an angle)

Q4(3.1):

Find a cube with a face 8 inches long. Drag only black for a hint.



Standards Alignment: 2nd Grade CCSS.MATH.CONTENT.2.MD.A.3

Q5(3.2):

Find a sphere about 8 inches tall. Drag only black for a hint.



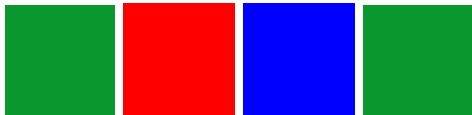
Standards Alignment: Grade 7 CCSS.MATH.CONTENT.7.G.B.4

Reasoning: Students would need to understand the concept of diameter

Team 3

Player 7(1) -

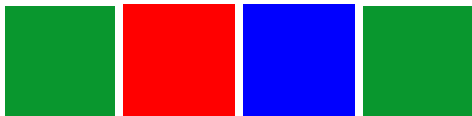
Q1: Find a cube with a face 8 inches long. Drag only black for a hint.



Standards Alignment: 2nd Grade CCSS.MATH.CONTENT.2.MD.A.3

Player 8(2) -

Q1: Find a cube with a face 8 inches long. Drag only black for a hint.



Standards Alignment: 2nd Grade CCSS.MATH.CONTENT.2.MD.A.3

Recommended Language Change: Find a cylinder that is about/ approximately 8 inches tall.

Player 9(3) -

Q1: Find a sphere about 8 inches tall. Drag only black for a hint.



Standards Alignment: Grade 7 CCSS.MATH.CONTENT.7.G.B.4

Reasoning: Students would need to understand the concept of diameter

Team Wide

Q2(2.1):

Find a rectangular prism with two 6 x 6 inch square faces. Drag only black for a hint.



Standards Alignment:

2nd Grade CCSS.MATH.CONTENT.2.MD.A.3

3rd Grade CCSS.MATH.CONTENT.3.MD.C.5

Notes: The “6x6” would need to be explicitly taught and reference the concept of area (which is a 3rd grade standard)

Q3(2.2):

Find a prism that has EIGHT faces. Drag only black for a hint.



Standards Alignment:

2nd Grade CCSS.MATH.CONTENT.2.MD.A.3

Q4(3.1):

Find a volume where each face has 4 right angles and all sides are 6 inches long. Drag only black for a hint.



Standards Alignment:

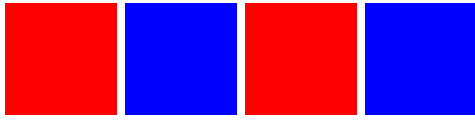
2nd Grade CCSS.MATH.CONTENT.2.MD.A.3

4th Grade CCSS.MATH.CONTENT.4.G.A.1 (Introducing the concept of an angle)

Reasoning: Students should be explicitly taught the term “face.”

Q5(3.2):

Find a 6 inch tall cylinder. Drag only black for a hint.



Standards Alignment: 2nd Grade CCSS.MATH.CONTENT.2.MD.A.3