

THREE-DIMENSIONAL SHAPES

A THREE-DIMENSIONAL SHAPES

A.1 IDENTIFYING FLAT OR SOLID SHAPES

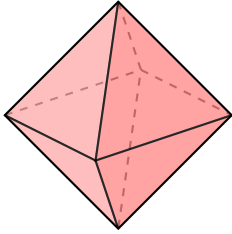
MCQ 1: Is this shape flat or solid?



Pick the right answer:

- ☐ 2D shape
- ☐ 3D shape

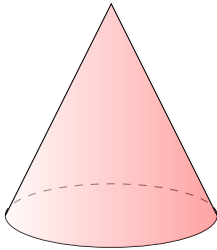
MCQ 2: Is this shape flat or solid?



Pick the right answer:

- ☐ 2D shape
- ☐ 3D shape

MCQ 3: Is this shape flat or solid?



Pick the right answer:

- ☐ 2D shape
- ☐ 3D shape

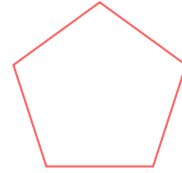
MCQ 4: Is this shape flat or solid?



Pick the right answer:

- ☐ 2D shape
- ☐ 3D shape

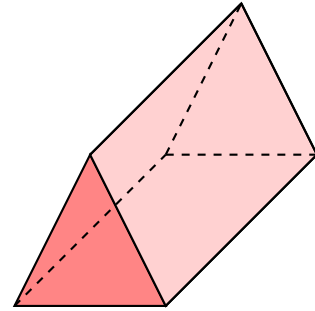
MCQ 5: Is this shape flat or solid?



Pick the right answer:

- ☐ 2D shape
- ☐ 3D shape

MCQ 6: Is this shape flat or solid?

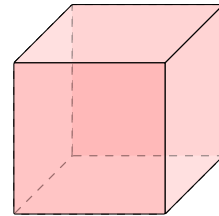


Pick the right answer:

- ☐ 2D shape
- ☐ 3D shape

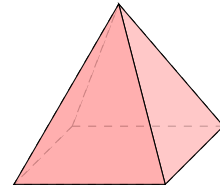
A.2 COUNTING FACES

Ex 7: How many faces does this cube have?



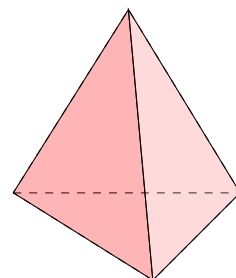
faces

Ex 8: How many faces does this square pyramid have?



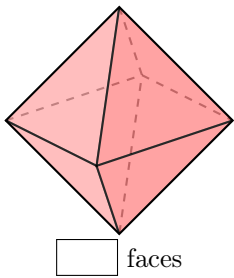
faces

Ex 9: How many faces does this triangular pyramid have?



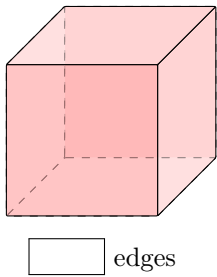
faces

Ex 10: How many faces does this eight-faced die have?

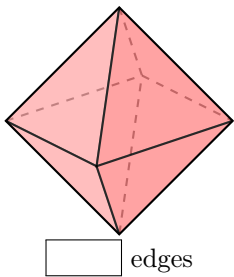


A.3 COUNTING EDGES

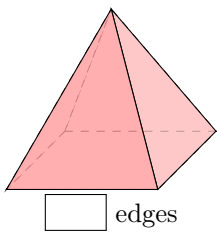
Ex 11: How many edges does this cube have?



Ex 12: How many edges does this eight-faced die have?

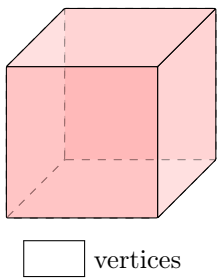


Ex 13: How many edges does this square pyramid have?

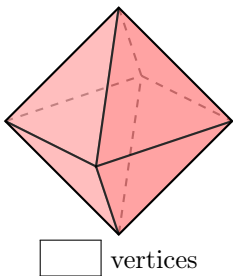


A.4 COUNTING VERTICES

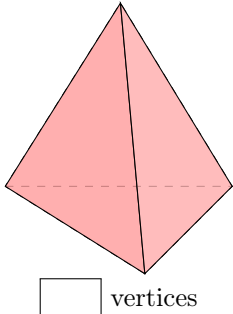
Ex 14: How many vertices does this cube have?



Ex 15: How many vertices does this eight-faced die have?



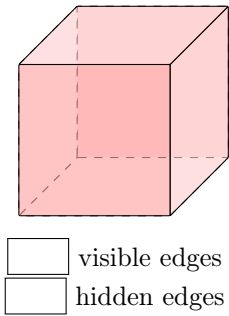
Ex 16: How many vertices does this triangular pyramid have?



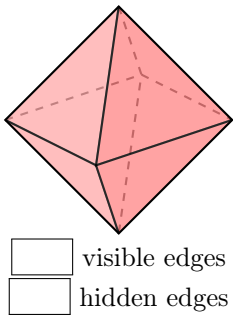
B DRAWING THREE-DIMENSIONAL SHAPES

B.1 COUNTING VISIBLE AND HIDDEN EDGES

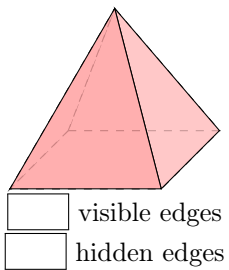
Ex 17: Count the number of visible and hidden edges on this cube



Ex 18: Count the number of visible and hidden edges on this eight-faced die.

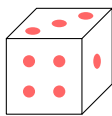


Ex 19: Count the number of visible and hidden edges on this square Pyramid.

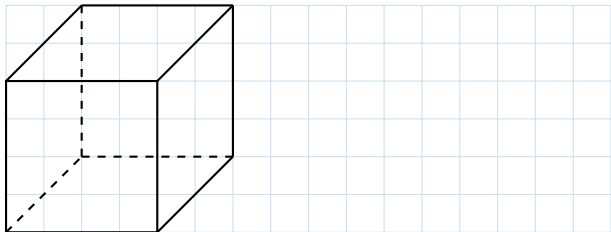


B.2 DRAWING THREE-DIMENSIONAL SHAPES

Ex 20:



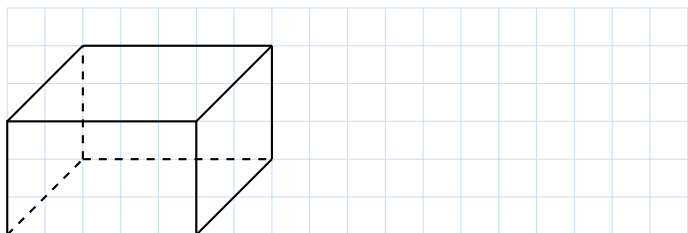
Draw this cube on your graph paper.



Ex 21:



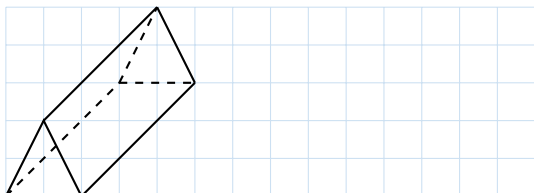
Draw this solid on your graph paper.



Ex 22:



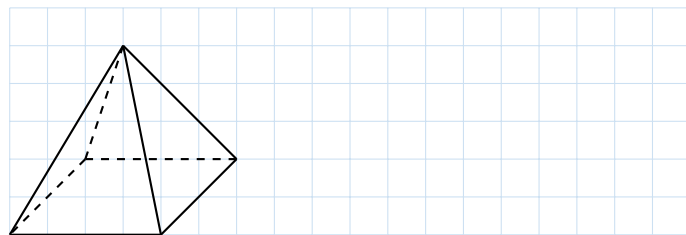
Draw this triangular prism on your graph paper.



Ex 23:



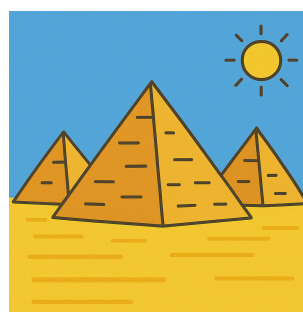
Draw this pyramid on your graph paper.



C CLASSIFICATION

C.1 FINDING THE SHAPES

Ex 24: Can you find all the pyramids in the picture?



pyramids

Ex 25: Can you find all the cubes in the picture?



cubes

Ex 26: Can you find all the spheres in the picture?

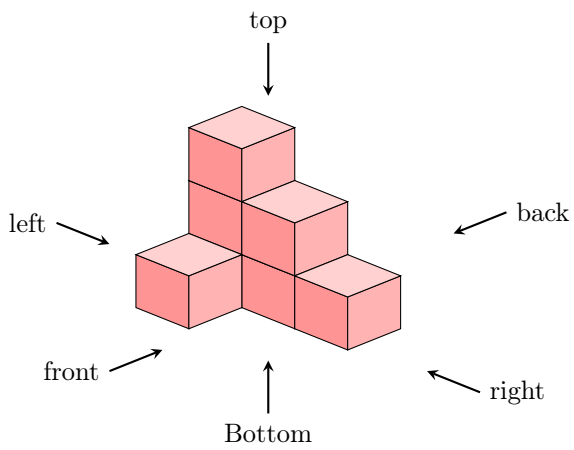


spheres

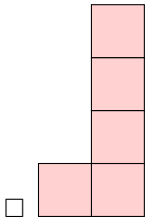
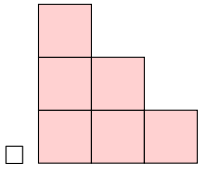
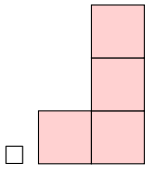
D MULTI-VIEW PROJECTION

D.1 FINDING THE PROJECTION

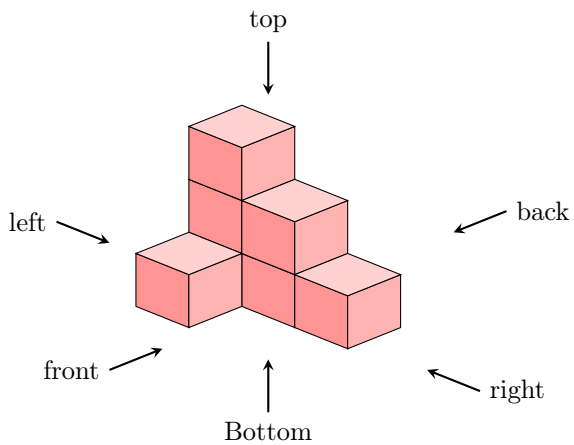
MCQ 27: Identify the front view of this solid.



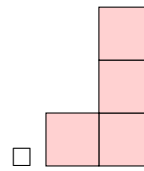
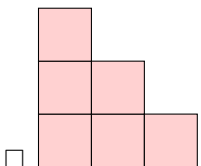
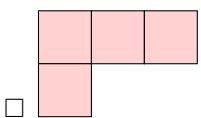
Choose one answer:



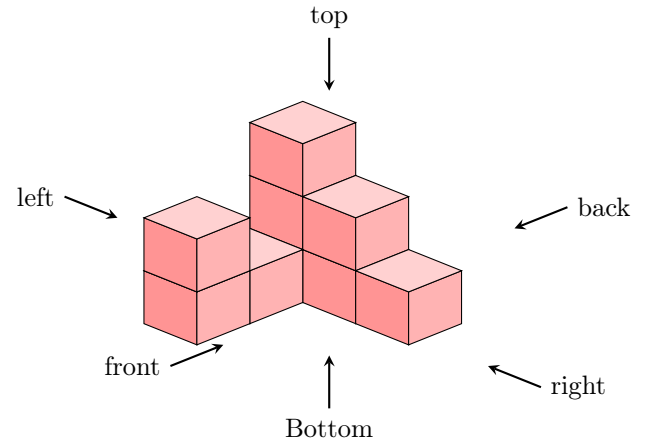
MCQ 28: Identify the top view of this solid.



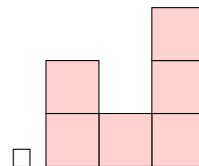
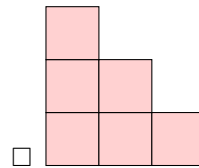
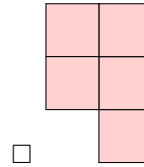
Choose one answer:



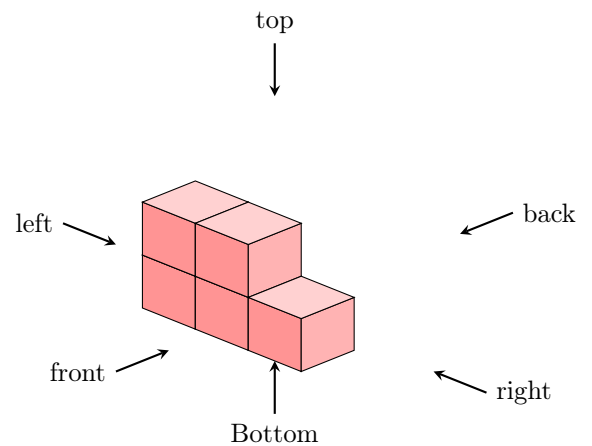
MCQ 29: Identify the right view of this solid.



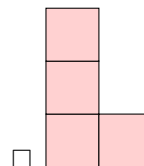
Choose one answer:

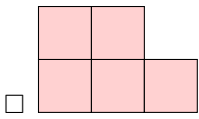
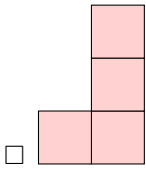


MCQ 30: Identify the front view of this solid.



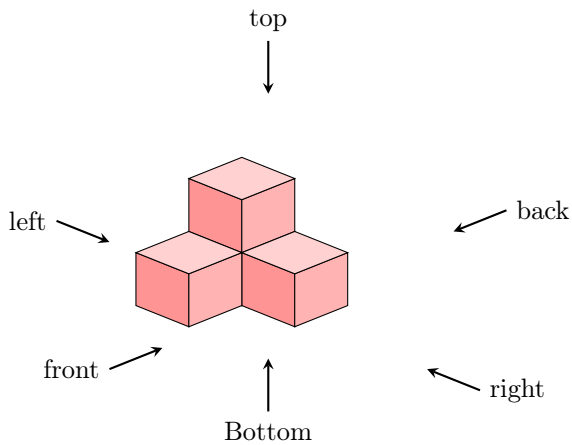
Choose one answer:



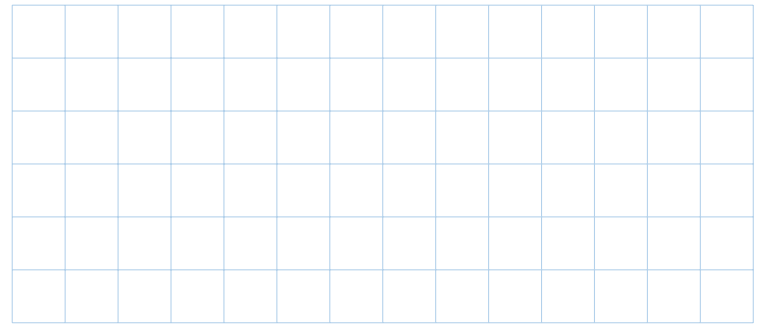
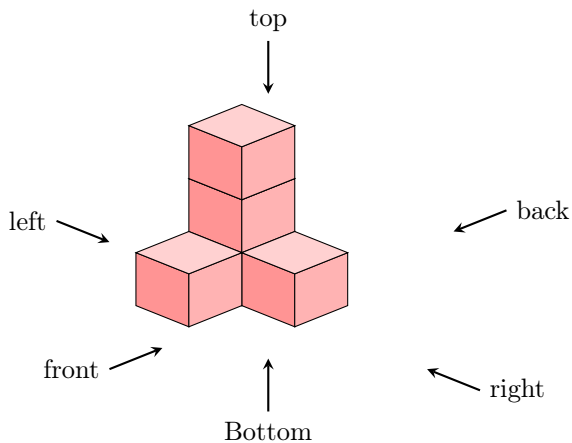


D.2 DRAWING THE PROJECTION

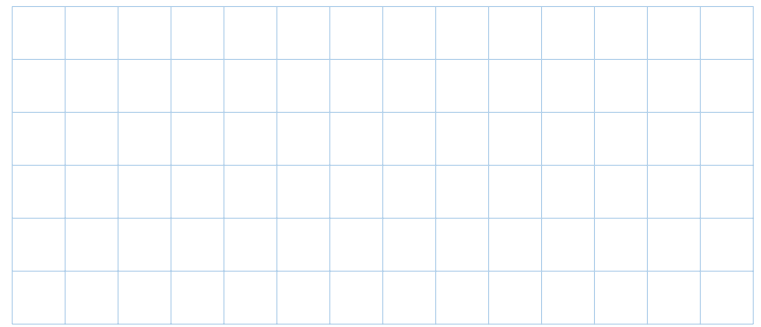
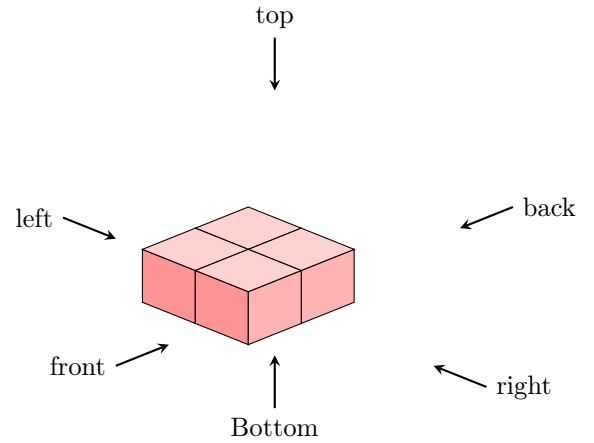
Ex 31: Draw the front view of this solid on your graph paper.



Ex 32: Draw the right view of this solid on your graph paper.



Ex 33: Draw the top view of this solid on your graph paper.



Ex 34: Draw the front view of this solid on your graph paper.

