

Date: _____

Name: _____

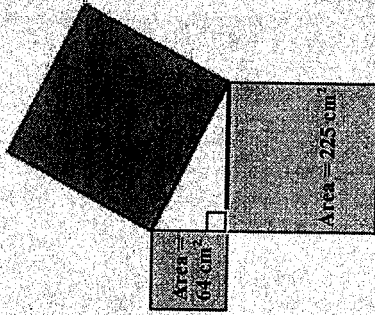
1.) Explain how one could determine if a number is divisible by 3 without working it out or using a calculator (2 marks)

4.) Squaring a number means that you: _____

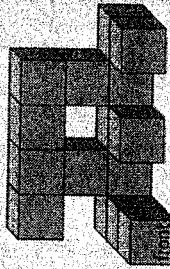
5.) Use a factor tree to show the prime factorization of 252. (3 marks)

252

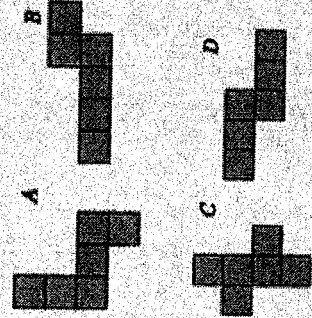
7.) State the length of the hypotenuse of the triangle below. (3 marks)



8.) Draw the view from the right of the shape below. (2 marks)



9.) Circle the TWO nets that could fold to make a cube? (2 marks)



2.) (MULTIPLE CHOICE)

The square root of 60 would be between which pair of numbers:

- a.) 49 & 64
- b.) $\sqrt{7}$ & $\sqrt{8}$
- c.) 6 & 7
- d.) $\sqrt{49}$ & $\sqrt{64}$

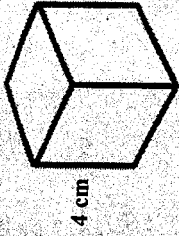
3.) Doug purchased 9 square tiles to make a 3-tile X 3-tile square patio in his back yard. Each square tile has an area of 2.25 m². What is the side length of the patio? (3 marks)



6.) Find the surface area of the shape below. (3 marks)

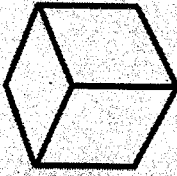
16

10.) State the volume of the cube below. (Use proper units)



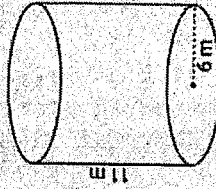
Volume = _____

11.) State the side length of the cube below. (Use proper units)



Volume = _____

12.) Find the volume of the shape below. (3 marks each)



17

17

17

15