10. Write the next two numbers in each sequence.

(a) 1, 2, 4, 7, 11, _____, _____ … [2]

1st Increment =

2nd Increment =

3rd Increment =

4th Increment =

5th Increment = 6th Term =

6th Increment = 7th Term =

(b) 9, 16, 25, 36, _____, _____ … [2]

1st Increment =

2nd Increment =

3rd Increment =

4th Increment = 5th Term =

5th Increment = 6th Term =

10. Calculate the probability of selecting

(a) a head on a coin

Answer: _____ [1]

(b) a red Jack from a deck of cards.

Answer: _____ [1]

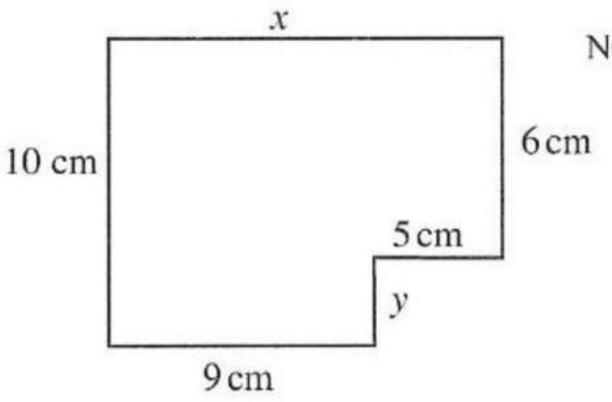
10. Given that $g = 9$ and $h = -4$

Calculate the value of:

$2g + 3h$

Answer: _____ [2]

10. Study the diagram below



NOT TO SCALE

(a) Find the length of

(i) x

Answer: _____ cm [1]

(ii) y

Answer: _____ cm [1]

(b) Calculate the perimeter of the shape.

Answer: _____ cm [2]

10. 24 students were asked their favourite pizza topping.

$\frac{1}{6}$ of them chose cheese.

(a) Calculate the number of people who chose cheese

Fraction Computation

—— × ——

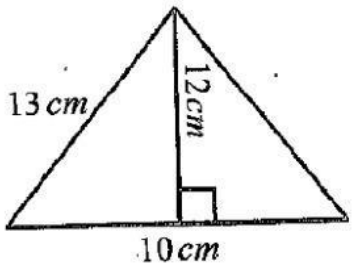
Answer: _____ [2]

12 people chose pepperoni and the rest chose sausage.

(b) Calculate how many people chose sausage.

Answer: _____ [2]

10. Calculate the area of the triangle shown in the diagram below.

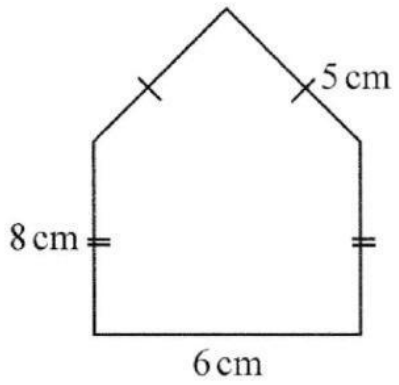


Area Computation

½ × ×

Answer: _____ cm^2 [3]

10. Study the shape below and then answer the questions that follow:



(a) Name the polygon

Answer: _____ [1]

(b) Calculate the perimeter of the polygon

Perimeter Computation

\+ \+ \+

Answer: _____ cm [2]