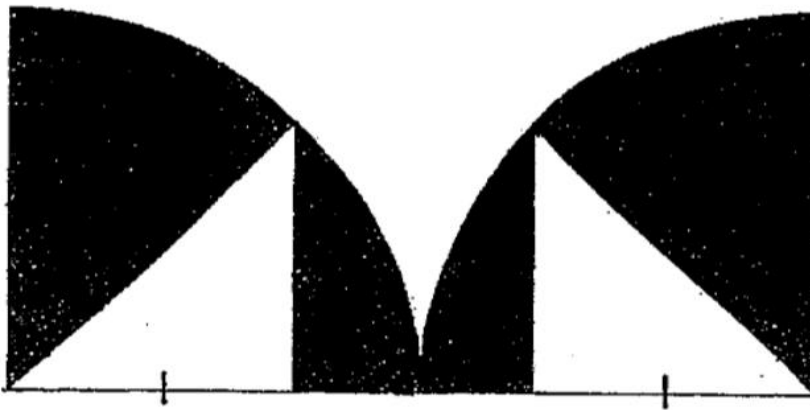




Day 1 - 5th May

The figure below, which is not drawn to scale, is made up of 2 identical quadrants and 2 identical isosceles triangles. The radius of the quadrant is 20 cm. Find the total area of the shaded parts of the figure. Round off your answer to 2 decimal places.

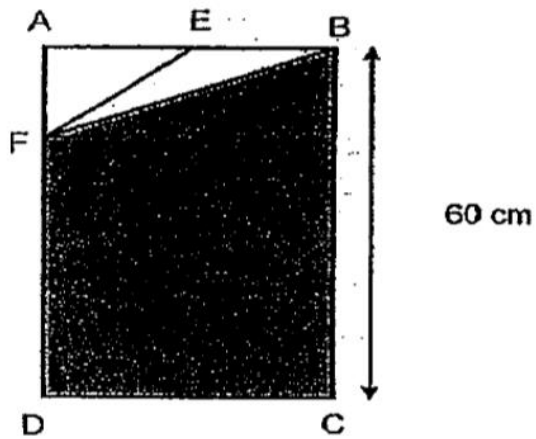




Day 2 - 6th May

In the figure below, the area of triangle BEF is 90 cm^2 and $AE=BE$
The ratio of the length of AF and FD is $1 : 3$.

- Find the area of the shaded part.
- Find the perimeter of rectangle ABCD.





Day 3 - 7th May

A fruiterer had the same number of apples, pears and lemons at first. After 98 lemons, some apples and pears were sold, there were 297 fruits left. There were twice as many apples as pears left. The number of lemons left was 13 fewer than the number of apples left. How many pears were sold?



Day 4 - 8th May

Anna and Ben take 9 days to complete a jigsaw puzzle. Ben and Celine take 3 days to complete the same jigsaw puzzle. When Celine partners Dennis, they take 4 days to complete the jigsaw puzzle. How many days will Anna and Dennis take to complete 2 such jigsaw puzzles?



Day 5 - 9th May

In a car park, there are thrice as many cars as vans. The number of cars is twice the number of motorcycles. The total number of wheels these vehicles have is 4598.

(a) How many cars are parked at the car park?

(b) If $\frac{1}{3}$ of the motorcycles left the car park, how many vehicles are left in the carpark?



Day 6 - 10th May

On Teachers' Day, a florist sold thrice as many roses as orchids and collected \$703 in total. She collected \$437 more for the roses than the orchids. Given that a stalk of rose cost \$1.50 more than a stalk of orchid, find the cost of a stalk of orchid.



Day 7 - 11th May

There are 40 pupils in Primary 4A in January. The ratio of the number of boys to the number of girls in the class is 2 : 3. $\frac{5}{8}$ of the boys wear spectacles and $\frac{2}{3}$ of the girls wear spectacles.

- (a) What percentage of the class wore spectacles in January?
- (b) 5 more pupils needed to wear spectacles in July. What percentage of the class wore spectacles in July?