

# Hexaware – Quantitative Ability

## Previous year questions

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Emma can do a piece of work in 57 days. Olivia is 50% more efficient than Emma. The number of days taken by Olivia to do the same piece of work is:

- A. 43 days
- B. 38 days
- C. 40 days
- D. 25 days



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Matthew covers a distance of 200 m in a certain time. If he increases his speed to four times his original speed, the time taken reduces by 33 seconds. Find the time taken to cover a distance of 400 m at the original speed.

- A. 80 seconds
- B. 78 seconds
- C. 72 seconds
- D. 88 seconds



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Two articles are bought at the same price. One is sold at 15% profit and the other is at 13% profit. Find the overall profit percentage.

- A. 28%
- B. 30%
- C. 14%
- D. 16%



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Two circles of equal radii pass through each others centre. If the radius of each circle is 7 cm, then the length of the common chord is:

- A. 7 cm
- B.  $14\sqrt{2/3}$  cm
- C.  $7\sqrt{3}$  cm
- D.  $7\sqrt{3/2}$  cm



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If M is the centroid and PD be a median with length 18 cm of a triangle PAR, then the length of PM is:

- A. 9 cm
- B. 12 cm
- C. 27 cm
- D. 15 cm



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An amount of \$7800 is divided among Susan, Pamela and Katie. The sum of the shares of Pamela and Katie is equal to thrice the share of Susan. The sum of the shares of Susan and Katie is equal to two-third the share of Pamela. Find the difference between the shares of Susan and Pamela.

- A. \$3880
- B. \$2820
- C. \$2360
- D. \$2730



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At what rate of interest per annum would an amount \$400 yield a simple interest of \$72 in two years.

- A. 0.08
- B. 0.12
- C. 0.09
- D. 0.06



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There are 8 points in a plane, out of which 4 points lie on a straight line, and no other points lie on a straight line. Find the number of triangles that can be formed using these points.

- A. 55
- B. 62
- C. 58
- D. 52



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**THANK YOU**

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