



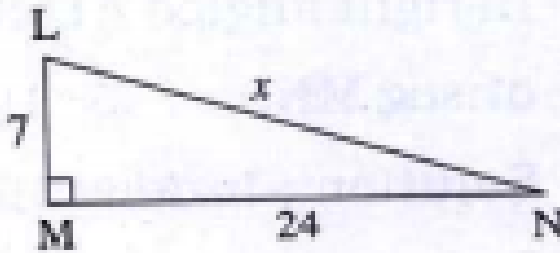
MATHS

BOOKS - NAVNEET PUBLICATION

PYTHAGORAS' THEOREM

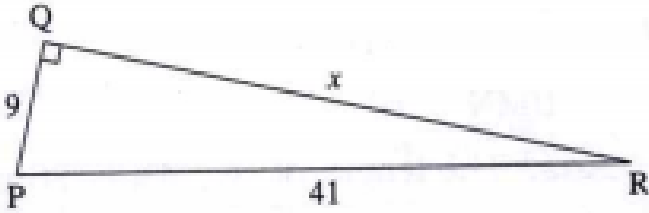
QUESTION BANK

1. In the given figures, find the value of x .



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2. In the given figures, find the value of x.



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3. In right angled $\triangle PQR$, $\text{angle } P = 90^\circ$. If $l(PQ) = 24\text{cm}$ and $l(PR) = 10\text{cm}$, find the length of seg QR.



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4. In right angled $\triangle LMN$, $\text{angle } M = 90^\circ$. If $l(LM) = 12\text{cm}$ and $l(LN) = 20\text{cm}$, find the length of seg MN .



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5. The top of a ladder 15 m long reaches a window 9 m above the ground. What is the distance between the foot of the ladder and the base of the wall ?



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6. Find the Pythagorean triplets from among the following set of numbers :

3cm, 4cm, 5cm



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7. Find the Pythagorean triplets from among the following set of numbers :

2 cm, 4cm, 5cm



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8. Find the Pythagorean triplets from among the following set of numbers :

4cm, 5cm, 6cm



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9. Find the Pythagorean triplets from among the following set of numbers :

2 cm, 6cm, 7cm



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10. Find the Pythagorean triplets from among the following set of numbers :

9cm, 40cm, 41cm



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11. Find the Pythagorean triplets from among the following set of numbers :

4cm, 7cm, 8cm



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12. The lengths of the sides of some triangles are given below. Find out which ones are right angled triangles.

8, 15, 17 .



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13. The lengths of the sides of some triangles are given below. Find out which ones are right angled triangles.

11, 12, 15 .



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14. The lengths of the sides of some triangles are given below. Find out which ones are right angled triangles.

11, 60, 61 .



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15. The lengths of the sides of some triangles are given below. Find out which ones are right angled triangles.

1.5, 1.6, 1.7 .



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16. The lengths of the sides of some triangles are given below. Find out which ones are right angled triangles.

40, 20, 30 .



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17. What is the length of the hypotenuse, if the lengths of the sides of a triangle forming a

right angle are 6 cm and 8 cm respectively ?



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18. Which of the following are Pythagorean triplets?

3, 4, 5



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19. Which of the following are Pythagorean triplets?

3, 3, 5



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20. Which of the following are Pythagorean triplets?

24, 10, 26



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21. Which of the following are Pythagorean triplets?

7, 24, 25



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22. In $\triangle PQR$, seg PR is the hypotenuse. Which angle of $\triangle PQR$ is right angle ?



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23. In $\triangle ABC$, $m\angle A = 90^\circ$. Name the sides forming the right angle.



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