

Year 7 Weekly Tutorial - 22

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1. Simplify.

a) 3.15×2.9

b) $0.027 \div 0.03$

2. Simplify.

a) $25 - 15 \div 5 + 5$

b) $12 - 3 \times 2^2 \div 6$

3. Simplify.

a) $5\frac{4}{7} \times 3\frac{2}{5}$

b) $\frac{5}{12} \times \frac{4}{15} \div \frac{16}{25}$

4. Simplify.

a) $2(x - 5) - (x - 3)$

b) $a(2a - b) - 3a(2 + b)$

5. Simplify.

a) $2x^2 \times 3y \times x^0$

b) $\frac{12x^2y^3}{6xy}$

6. Solve.

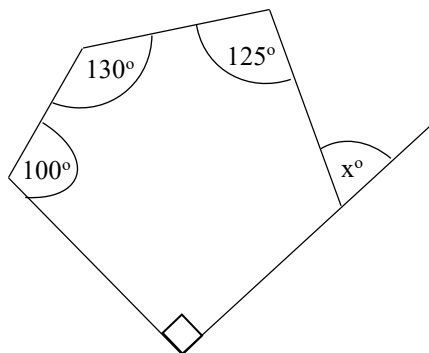
a) $\frac{5}{3}(x - 3) = x + 1$

b) $5 - 3(x + 2) = 12 - x$

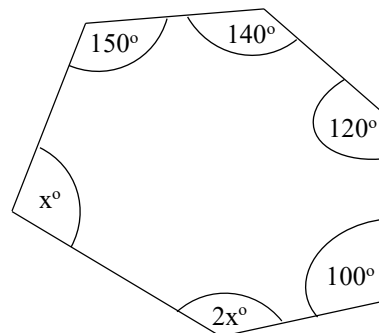
7. Find the sum of interior angles of a regular polygon in an exterior angle is 15° .

8. Find the unknown angles.

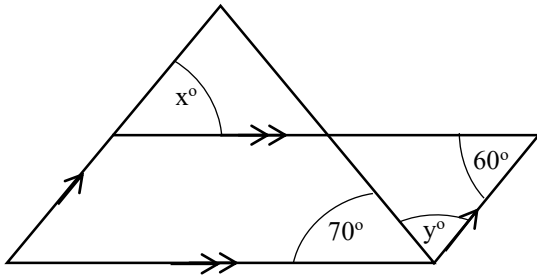
a)



b)

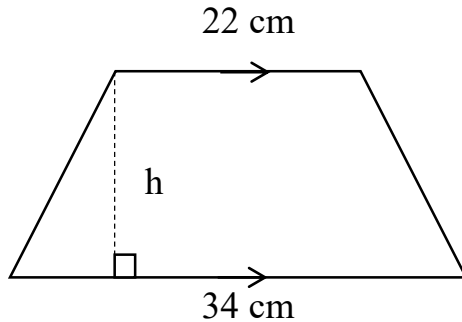


9.



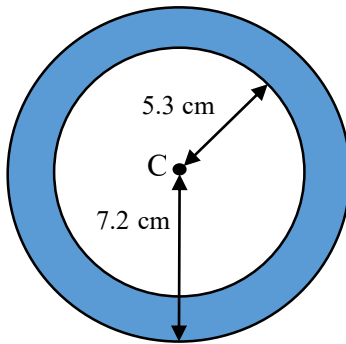
Find angles x° and y° .

10.



Area of the trapezium is 280 cm^2 .
Find h .

11.



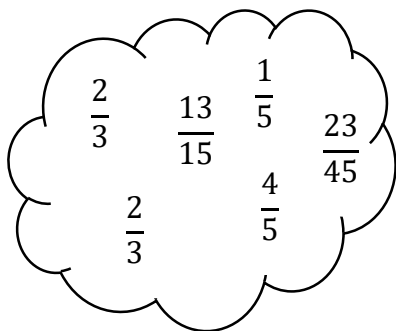
Find the shaded area correct to 1dp.

12. The area of a circle is 160 cm^2 . Find the circumference of the circle.

13. The circumference of a circle is 90.5 cm . Find the area of the circle.

14. Some money was divided between 3 friends. One received $\frac{1}{3}$ of money and the second received $\frac{2}{5}$ of money and third received £ 160. Calculate total money all 3 friends were sharing.

15.



a) Find the mode, median and range of the set of numbers.

b) Find the average.