









- a) the area of a rectangle with sides *a* and *b*
- b) the perimeter of a rectangle with sides e and f
- c) the area of a square with side c
- d) the perimeter of a square with side *t*
- e) the area of a square with diagonal *e*
- f) the surface area of a cube with edge c
- g) the volume of a cube with edge *a*
- h) the volume of a cuboid with edges *a*, *b*, *c*.

MEP: Prima









 \mathbf{C}





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mep otop



$$72 - 3 \times x = 6 \times x$$



 $(y) (y) (1) (1) \geq (y) (y) (-1) (-5)$

У	- 1	0	3	7	9	10	11	16
Left side (L)								
Right side (R)								
$L \ge R$								









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- a) A **cuboid** has 8 vertices, 6 faces and 10 edges.
- b) Every **cube** has 6 faces, 8 vertices and 12 edges.
- c) A circle is a 2-dimensional shape.
- d) A line segment is a 2-D shape.
- e) Every cuboid is a **prism**.
- f) Any prism is a cuboid.
- g) If the diagonals of a quadrilateral are equal and **bisect** each other, the quadrilateral is a rectangle.
- h) If a quadrilateral has 2 lines of symmetry, it is a **rhombus**.





























a)































- a) Every **isosceles triangle** has angles of 60° .
- b) No **rectangle** has adjacent equal sides.
- c) The **diameter** of a circle is twice the length of its radius.
- d) The **circumference** of a circle is its radius multiplied by π .
- e) There is a **prism** which has congruent faces.
- f) A square-based **pyramid** has 5 vertices, 5 faces and 8 edges.
- g) If the diagonals of a quadrilateral **bisect** each other at right angles, the quadrilateral is a **rhombus**.
- h) A **tangent** to a circle can touch the circle at more than 1 point.







































mep Leter M







a) d = 1



P ≈

P =



 $P \approx$ P =

 $P \approx$

b)





 $P \approx$

P

mep J





















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10	26	

10	26	

- a) The **product** of two numbers can be less than each of the two numbers.
- b) The **arithmetic mean** of two negative numbers can be positive.
- c) There is an **isosceles** triangle which has two right angles.
- d) There is a positive fraction less than 1 which is equal to its **reciprocal.**
- e) If a **product** is zero, at least one of its factors is zero.
- f) If the areas of two triangles are equal, the triangles are **congruent**.
- g) There is a quadrilateral which is both a **deltoid** and a **parallelogram** but is not a square.



a)
$$a + (-b) - (+c) - (-d) =$$

b)
$$(a-b) \times c =$$

c)
$$x \times y + x \times z =$$

d)
$$(a-b) \div c =$$

e)
$$u \div w + v \div w =$$

f)
$$2 \times f + 3 \times f - 4 \times f =$$

g)
$$6t - 4t - 9t =$$



h)
$$\frac{a \times c}{b \times c} =$$
 i) $\frac{a + b}{c} =$

j)
$$\frac{a}{b} - \frac{c}{d} =$$

k)
$$\frac{a \times n}{n} =$$
 1) $\frac{a}{b} \times b =$

m) $\frac{a}{b} \div c =$

n) $\frac{a}{b} \times \frac{c}{d} =$



a)



















- a) If the areas of two rectangles are equal, the rectangles are **congruent**.
- b) All equilateral triangles are **similar**.
- c) The **arithmetic mean** of two numbers is always positive.
- d) There is an **isosceles** triangle which has three equal angles.
- e) The diagonals of a **parallelogram** intersect at right angles.
- f) If the areas of two squares are equal, the squares are **congruent**.







Before action:

After action:





b)



















mep Iologi























$a = 16 \mathrm{cm}$















