

2. 1. At 9 p.m. the temperature in Kurt's garden was -2°C . During the night the temperature went down 5 degrees and then it went up 10 degrees by midday the next day. What was the temperature at midday in Kurt's garden?

3. Work these out. $(6 - 11) + (-5 - 4) - (-8 + 6) - (-3 + 18)$

4. There is just one prime number between 110 and 120. What is it?

5. Work these out. $(8 + 9.76 + 23.45) + (45.95 - 23.7)$

6. Shona goes for a run four times a week. During one week she runs 3.6 km, 4.85 km, 10.5 km and 7.45 km. How far did Shona run in this week?

7. Work these out.

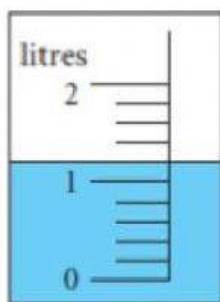
$$(6 \times 4.17) \div 0.01.$$

8. Round 76.189 to the nearest whole number.

9. Which metric units would you use to measure of the length of a classroom?

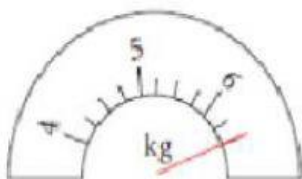
10. Which metric units would you use to measure of the capacity of a breakfast cereal bowl?

11.



Write down the value shown on each of these scales.

12.

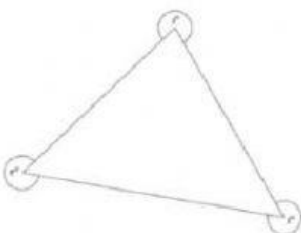


Write down the value shown on each of these scales.

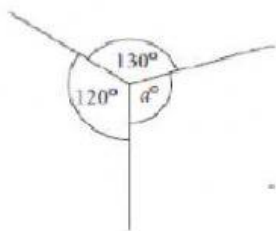
13.

Calculate the value of d .

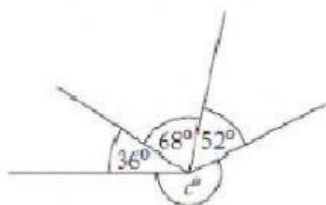
14.

Measure the reflex angles labelled r , s and t . When it is an equilateral triangle.

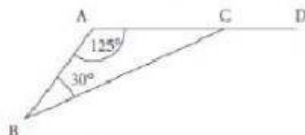
15. Calculate the value of a .



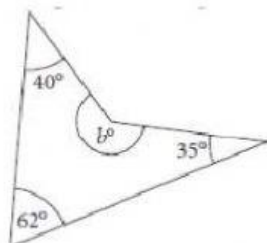
16. Calculate the value of c .



17. Calculate the value of angle BCD.



18. Calculate the value of angle b .



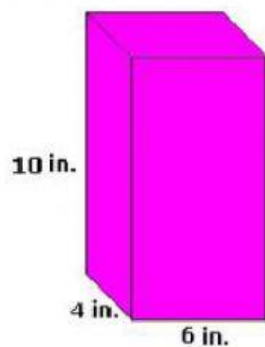
19. Three angles of a quadrilateral are 60, 80 and 110. How big is the fourth angle?

20. 'I am a quadrilateral with one line of symmetry and rotational symmetry of order 1. I have two pairs of sides of equal length, no parallel sides and one pair of equal angles. What shape am I?

21. I have three sides. Two of my angles are the same size and two of my sides are the same length. What shape am I?
- _____
22. 30% of the mass of an object is 24 kilograms. Use this fact to find 60% of the mass.
- _____
23. There were 300 people at a football match and 35% were adults. The rest were children. How many children were present?
- _____
24. A student had \$40 but spent \$32. What percentage of his money has he spent?
- _____
25. A tin of biscuits contains shortbread and choc-chip biscuits in the ratio 2 : 3. The tin contains 40 biscuits. How many shortbread biscuits are there in the tin?
- _____
26. A sheet of A5 paper is 210 mm long and 148 mm wide. What is the area of a sheet of A5 paper?
- _____
27. A rectangular room has an area of 12 .The length of the room is 4 m. Find the perimeter of the room.
- _____
28. Keira wants new carpet in her hall. The hall is a rectangle that measures 4 m long by 90 cm wide. Work out the area of carpet that she needs.
- _____

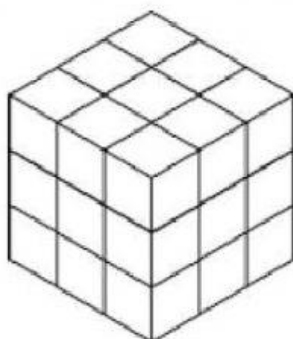
Volume and Surface Area

1.



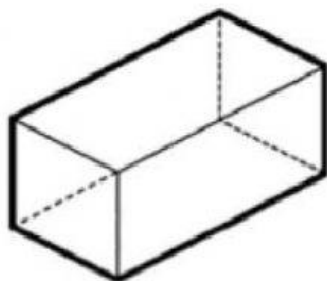
Bob has a rectangular prism gift box, what is the volume of Bob's gift box?

2.



what is the volume?

3.

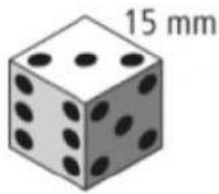


What is the volume? length=2 units width=2 units height=3 units

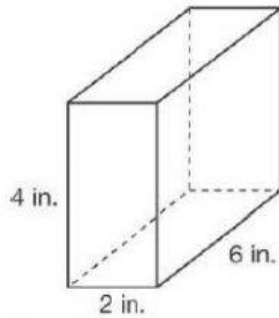
4. How many faces are on a cube?

5.

Find the volume.



6.

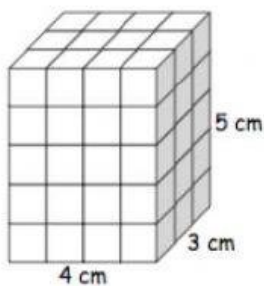


Find the total surface area of the prism.

7.

What is surface area?

8.

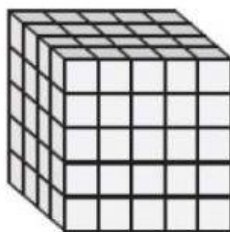


Find the surface area of the rectangular prism.

9.

A cube is measured at 4 cm in length, what is the surface area?

10.



Find the surface area.