6 **(a)** Work out the size of the angle marked x.
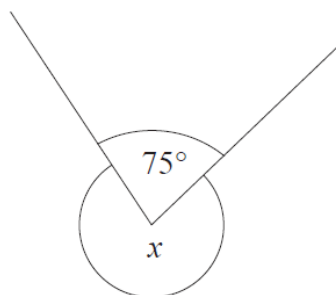
75°

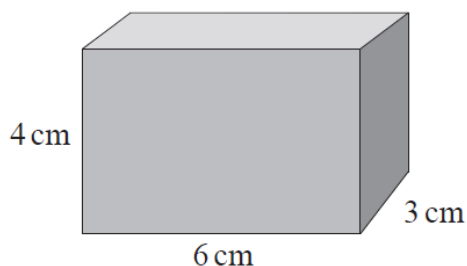x

diagram not
drawn accurately

Answer _____ ° [1]

(b) Circle the name of the quadrilateral with rotational symmetry of order 2

square   kite   parallelogram   trapezium   [1]

Look at the box below.

(c) **(i)**   How many 1 cm cubes are needed to fill this box?

4 cm

6 cm

3 cm

Answer _____ cubes [1]

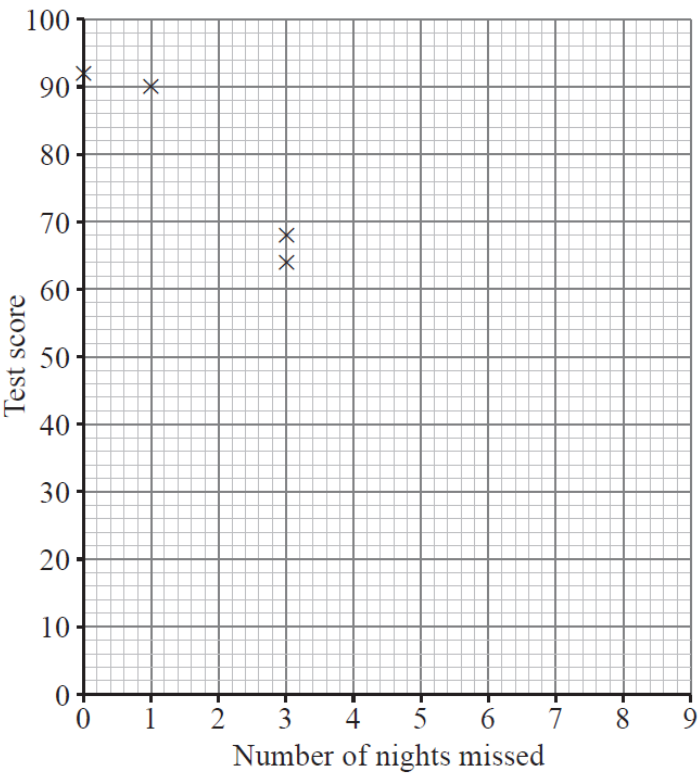**(ii)** What is the perimeter of the top face of the box?

Answer _____ cm [1]

20 A group of pupils do a first aid course over 8 nights.
There is a test at the end of the course.

The table shows the number of nights each pupil misses and their test score.

Pupil	A	B	C	D	E	F	G	H	I	J
Number of nights missed	0	3	1	3	2	1	0	5	1	5
Test score	92	64	90	68	80	82	86	42	76	46

(a) The first 4 points are plotted on the scatter graph.
Plot the last 6 points.

Test score

Number of nights missed

[2]

(b) Draw the line of best fit. [1]

(c) Another pupil missed 4 nights of the course.
Use the graph to estimate their test score.

Answer _____ [1]

(d) What type of correlation does your graph show?

Answer _____ [1]