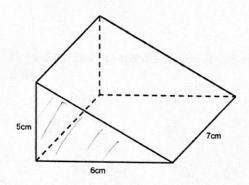


QT Quick Test 2 - to grade 4

1. Find the total volume of the triangular prism shown.



2. The first five terms of a sequence are

(a) Find the value of the first negative number in the sequence
$$-7$$

- (b) Find an expression, in terms of n, for the nth term of the sequence

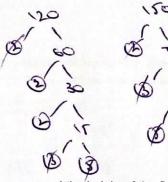
3. Work out the size of the exterior angle of an octagon.

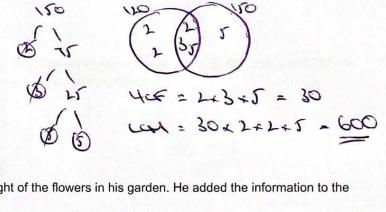


4. A circle has a radius of 11cm. Work out the circumference of the circle. Give your answer in terms of π .



5. Find the highest common factor (HCF) and lowest common multiple (LCM) of 120 and 150.





- 6. Joe measured the height of the flowers in his garden. He added the information to the following chart.
- (a) Find the class interval that contains the mode
- (b) Work out an estimate for the mean height of the flowers in Joe's garden

Height (cm)	Frequency	FRM
120 < h ≤ 140	4	OLT = 0124
140 < h ≤ 160	8	8 < 120 = 1500
160 < h ≤ 170	10	102165 = 1650
170 < h ≤ 190	3	3+180-540



7. Aishu buys a house for £180 000. She sells the house for £192600. Calculate the percentage profit Aishu makes when she sells the house.

Dill x 100

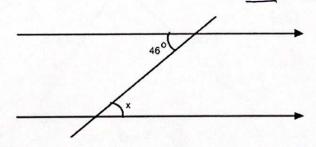
180000 = I'r

8. Julie goes on holiday to Italy. The exchange rate is £1 = €1.18. She changes £250 into Euros (€). Work out how many Euros Julie receives.

£; € (': 1.18) +250

€ 195

9. Write down the size of angle x. Give a reason for your answer.



2 = 46° Allemate organic



10. Miss Jones wants to buy a calculator for every student in year 10. There are 108 students in year 10. Each calculator costs £11.95. Work out an estimate for the amount of money Miss Jones will spend on calculators.

11. Work out 125% of 180.



- 12. The lengths of the sides of a triangle are 2x + 4, 2x + 7 and 2x 5.
 - (a) Write down an expression for the perimeter of the triangle
 - (b) The perimeter of the triangle is 26cm. Calculate the value of x.
 - (c) Calculate the length of each side of the triangle.

