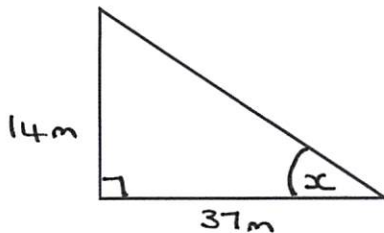


SPECIFICALLY CALCULATOR

1. Find the mean mark for the 30 students to 3 sig. figs.

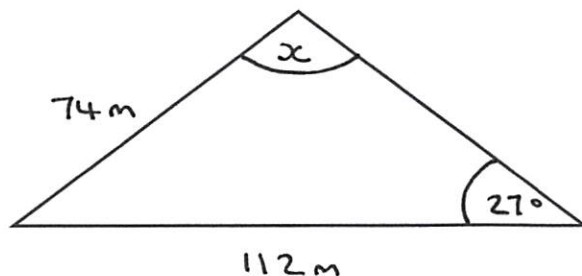
MARK	Frequency
13	2
14	5
15	6
16	8
17	7
18	2

2. Find the value of x to 2 d.p's



For question 3 & 4, use a calculator for this worksheet ONLY, to practise using the buttons.
In the exam show workings.

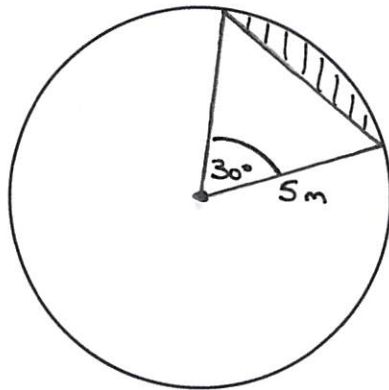
3. Find the product of prime factors for 210
4. $3\frac{1}{7} \times 2\frac{2}{5}$
5. £50,000 is invested at a compound interest rate of 3%, what is the value after 6 years, to the nearest penny?
6. Find the value of x , to the nearest ten



7. Solve $2x^2 - 3x - 4 = 0$ to 2d.p's

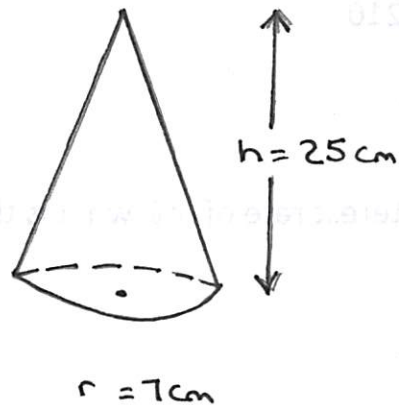
8. Solve $x_{n+1} = 2 + \frac{1}{x_n}$ starting with an initial value of $x_0 = 4$, giving your answer to 1d.p

9. Find the area of the segment, to 3 sig.figs.



10. Find the volume of the cone, to 4 sig.figs

$$V = \frac{1}{3}\pi r^2 h$$



MARK	FREQUENCY
2	2
4	4
6	6
8	8
10	10
12	12
14	14
16	16
18	18
20	20

2. Find the value of x to 1d.p



For question 8, use a calculator for this work - set it to 1d.p and use the round button.

In the 5th iteration, $x_5 = 2.5$

5. Find the product of $\sin^{-1} \frac{1}{2}$ and $\cos^{-1} \frac{1}{2}$

$$A = \frac{1}{2} \times \frac{\pi}{3} = \frac{\pi}{6}$$

3. £50,000 is invested at a compound interest rate of 5% per year. To the nearest penny,

how much money will be in the account after 10 years?

6. Find the value of x to the nearest ten.

