1. The attendance at a concert was 35, 632. Round this to 3 significant figures.

2. The weight of a cruise ship is 225 282 tons. Round this value to 2 significant figures.

3. The total amount donated for a charity in a weekend was £6 474 844. Round this amount to 3 significant figures.

4. Calculate the area of a circle with radius 13cm, giving your answer to 3 significant figures.

5. Calculate $4.84 \times 10^7 \times 24$. Give your answer in scientific notation correct to 2 significant figures.

6. Calculate the circumference of a circle with diameter 11.5cm. Round your answer correct to 2 significant figures.

7. Write 0.0204325 correct to 2 significant figures.

8. The circumference of the Earth is 40 075km. The circumference of a newly discovered planet is one eighth of this. Work out the circumference of this planet, correct to 3 significant figures.

9. Calculate $7.53 \times 10^{11} \div 63$. Give your answer in scientific notation correct to 3 significant figures.

10. Round 5.00246, correct to 3 significant figures.

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11. Simplify $3p^{2/3}(2p - 3p^{-2/3})$

12. Rationalise the denominator and simplify $\frac{6}{\sqrt{8}}$.

13. Simplify $\sqrt{27} + \sqrt{48} + 2\sqrt{3}$

14. Write down the 6 laws of indices.