

11 (a) Write down the two numbers that are the square roots of 25

Answer _____ and _____ [1]

(b) Simplify the expression

$$\frac{e}{5} - \frac{e}{7}$$

Answer _____ [3]

13 A circular glass shaving mirror has a diameter of 21 cm.



It has glass on both sides.

Calculate the **total** area of glass correct to the nearest whole number.

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Answer _____ cm² [3]

1 (a) Factorise

(i) $8rt + 12t^2$

Answer _____ [2]

(ii) $k^2 - 16$

Answer _____ [1]

6 (a) Find the equation of the line joining the points A (0, -1) and B (6, -4).

Answer _____ [3]

(b) Find the equation of the line perpendicular to AB which passes through B.

Answer _____ [3]