ADRIATIC
C O L L E G E

Pearson:
iLowerSecondary One Mathematics Demo Entrance Test

Pearson | **Edexcel** ADRIATIC
COLLEGE

iLowerSecondary 1

Candidate's name _____

· *Answer all questions.*
· *The total mark for this paper is 28.*
· *Time 1 hour.*
· *The marks for each question are shown in brackets.*
· *Candidates may NOT use a calculator and may use pen, pencil, ruler and eraser.*

1.   [5] Work out this

$$1032 + 1020 \div (83 \times 19 - 1562) = \underline{\qquad}$$

2.   [4] Work out **one** of these:

a) $(8\frac{1}{3} - 2\frac{2}{15} \times 3\frac{1}{8}) \div 1\frac{7}{18} = \underline{\qquad}$

            or

b) $0.32 \div (6.19 + 1.81) \times 2.5 = \underline{\qquad}$

3. [2] Convert these:

a) $4000 \, mL =$ _____ L
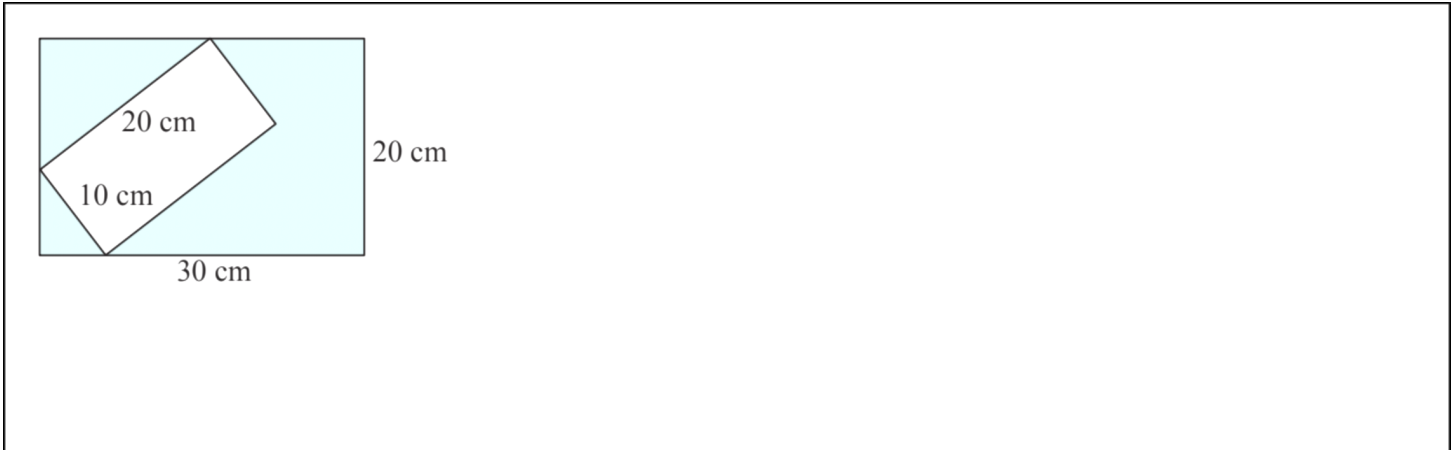b) $5 \, km \; =$ _____ m

4. [2] Solve this:

$\dfrac{88}{m} = 4$ What is m? _____

5. [3] 360 cats are tested. 90 of the cats prefer wet cat food to dry cat food.
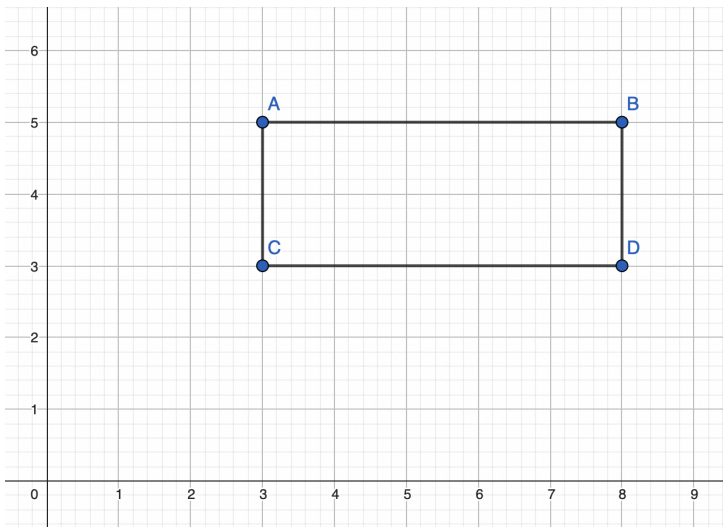What percentage of the cats prefer wet food? _____

6. [2] The cost of 5 metres of rope is $86.00.
Work out how much one metre of rope costs. _____

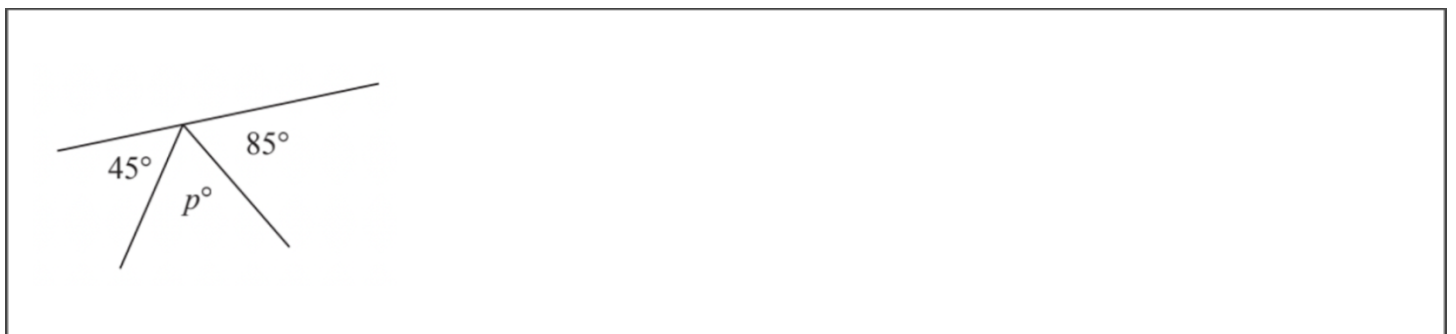**7**. [3] Find the area of the shaded figure. _____

20 cm

20 cm

10 cm

30 cm

8. [4] List the **coordinates** for each of the **vertices** of the rectangle.

A _____
B _____
C _____
D _____

9. [3] Find the measure of unknown angle _____

45° 85°

$p°$

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