Teacher Name: Ambreen Badar Class: 8 Subject: Mathematics

**SUMMER VACATION HOME WORK**

Q1: In the given rhombus ABCD angle ABO = 25, find the size of the angles A

1. Angle AOB
2. Angle BAD

 D O B

 C

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Q2: The area scale of a map is 1cm2 : 0.09m2. Find the linear scale.

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 of p .

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Q4: A map is drawn to a scale of 1: 20000. A field has an area of 6cm2 on the map . Find its

 actual area in km2.

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Q5: In the diagram XY is parallel to PQ. Given that BC = CD and YCD = 78$°,$ calculate:

1. Angle CDB X D C Y
2. ngle DAB 78$°$

 P A B Q

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Q6: Expand (7x - 6y)2

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Q7: Express $\frac{3x+1}{x}+ \frac{2}{3}$ as a fraction with a single denominator.

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Q8: Make ‘x’ the subject of the given formula : $y= \frac{x-1}{2x+3}$

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Q9: Solve the simultaneous equations graphically:

 2x – 5y = 32

 2x + 3y = 0

Q10: Simplify $\frac{q^{2 }- 2q-15}{q^{2}-3q-10}$

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