



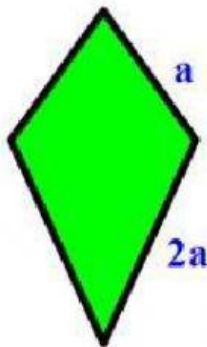
EASE 4 Preparation (Math 8th Grade)
36 Questions

NAME : _____

CLASS : _____

DATE : _____

1.



What is an expression for the **perimeter** of the kite?

☐ A $2a^2$

☐ B $6a$

☐ C $6a^4$

☐ D $3a$

2. What is the value $5(x)^3$ of when $x = -2$?

☐ A -40

☐ B 40

☐ C 30

☐ D -30

3. If $a = -1$ and $b = 4$.

What is the value of c ,
when $a = 2b + 3c$?

☐ A -4

☐ B 3

☐ C -3

☐ D 4

4. Complete this factorisation

$$5x^6 + 7x^2 = x^2 (\dots + 7)$$

☐ A 5

☐ B $5x^4$

☐ C $5x^6$

☐ D $5x^3$

5. Factorise $15x^3 + 25x^2$

☐ A $5x (3x^2 + x)$

☐ B $5x^2 (x + 1)$

☐ C $5x^2 (3x + 5)$

☐ D $5 (x^3 + x^2)$

6. Factorise $6y^2 + 10yz + y$

☐ A $2y(3y + 5z + 1)$

☐ B $6y(y + 4z - 5)$

☐ C $5y(y + 4z + 1)$

☐ D $y(6y + 10z + 1)$

7. $\frac{9a}{10} - \frac{a}{5}$

☐ A $\frac{7a}{2}$

☐ B $\frac{8a}{5}$

☐ C $\frac{8a}{10}$

☐ D $\frac{7a}{10}$

8. Which is the correct expansion of $(p - 5)(p + 7)$?

☐ A $p^2 + 2p + 35$

☐ B $p^2 - 2p + 35$

☐ C $p^2 - 2p + 35$

☐ D $p^2 + 2p - 35$

9.

Age	3	4	5	6
Girls	6	14	16	2
Boys	1	13	6	4

Find the **median** age of the girls?

☐ A 3

☐ B 5

☐ C 6

☐ D 4

10.

Age	3	4	5	6
Girls	6	14	16	2
Boys	1	13	6	4

Find the **mean** age of the boys?

Round your answer in the nearest whole number.

☐ A 3

☐ B 4

☐ C 6

☐ D 5

11.

Age	3	4	5	6
Girls	6	14	16	2
Boys	1	13	6	4

Find the **modal** age of all children?

☐ A 6

☐ B 4

☐ C 3

☐ D 5