

GOVERNMENT URDU HIGH SCHOOL YALAGONDAPALYA

[NEELSANDRA]

SUBJECT: MATHEMATICS 2017 – 18

CLASS : 8TH

KSQAAC

MARKS : 40

PRACTICE PAPER

1. The remainder and quotient when 85 is divided by 15 is

- a. 10 and 5 b. 8 and 4 c. . 8 and 3 d. 8 and 2

2. A polynomial which contains only one term is called a

- a. Monomial. b. Binomial c. Trinomial. d. polynomial

3. A polynomial which contains two terms is called

- a. Monomial. b. Binomial c. Trinomial. d. polynomial

4. A polynomial which contains three terms is called a

- a. Monomial. b. Binomial c. Trinomial. d. polynomial

5. A palindrome is a number which reads the same from left to right or right to left example.

- a. 3445 b. 5445 c. 2222 d. 1234

6 which is the perfect magic square in the following

a.

2	7	6
9	5	1
4	3	8

 b.

2	7	5
9	5	1
4	3	8

 c.

2	7	6
9	5	1
5	3	8

 d.

2	7	5
9	5	1
5	3	8

7. Which is correct in the following :

a.

$2^2 + 3^2 + 4^2$
$=30$

 b.

$5^2 + 3^2 + 4^2$
$=49$

 c.

$5^2 + 10^2 + 4^2$
$=142$

 d.

$8^2 + 10^2 + 6^2$
$=200$

8. The square of 31 and 49 is

- a. 960 & 2401 b. 961 & 2301 c. 961 & 2501 d. 961 & 2401

9 The angles whose sum is 180° are called

- a. Linear pair b. Complementary c. Supplementary d. Adjacent

10 . If we expand $a^2 - b^2$ and $(a + b)^2$ then it will be

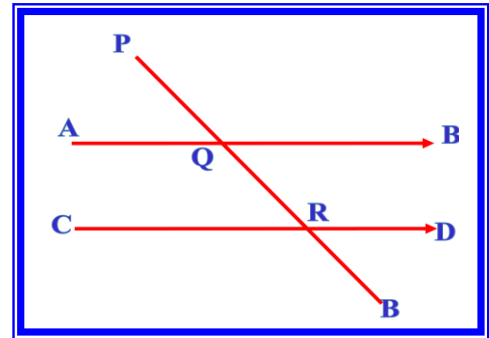
- a. $a^2 + b^2 + 2ab$
 $(a + b)(a - b)$ b. $(a + b)(a - b)$
 $a^2 + b^2 + 2ab$ c. $(a + b)(a + b)$
 $a^2 + b^2 - 2ab$ d. $(a - b)(a - b)$
 $a^2 - b^2 + 2ab$

11.

A	2
X	B
360	

 Values of A and B are respectively.

- a. 5,6 b. 5,7 c. 7,5 d. 6,5



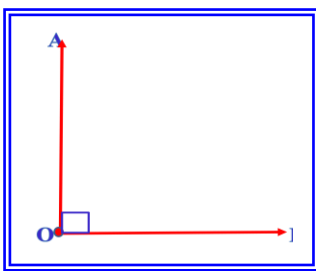
12. In the given figure $AB \parallel CD$ $\angle AQR = 120^\circ$ then $\angle PQB$ is

- a. 120° b. 110° c. 80° d. 90°

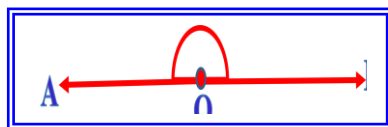
13. There are certain elementary statements which are self evident and which are accepted without any questions are called

- a. Axioms b. Postulate c. Segment d. Proposition

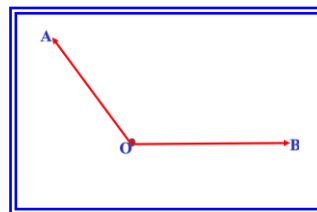
14 . Arrange them in order



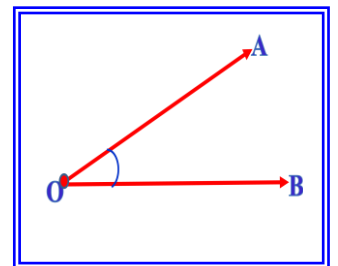
a.



b.



c.

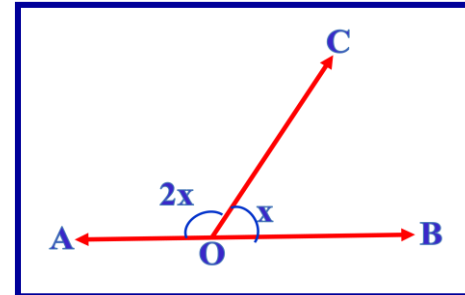


d.

- a. **1.Right angle
2. Acute angle
3. Obtuse angle
4. Straight angle**
- b. **1.Right angle
2. Obtuse angle
3. Acute angle
4. Straight angle**
- c. **1.Right angle
2. Obtuse angle
3. Acute angle
4. Straight angle**
- d. **1.Right angle
2. Straight angle
3. Obtuse angle
4. Acute angle**

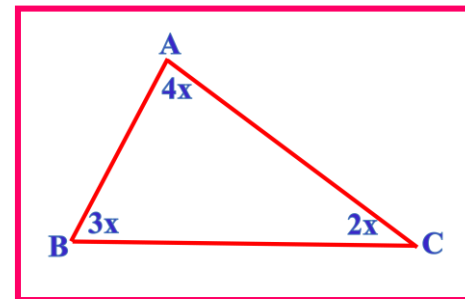
15. In the given figure the value of 'x'

- a. 120° & 60° b. 110° & 70°
c. 100° & 80° d. 115° & 65°



16. In the given figure find all the angles.

- a. $60^\circ, 70^\circ, 50^\circ$ b. $40^\circ, 70^\circ, 70^\circ$
c. $40^\circ, 60^\circ, 80^\circ$ d. $10^\circ, 70^\circ, 100^\circ$



17. Resolve in to factors: $3x^2 - 6x$

- a. $3x(x - 2)$ b. $4x(x - 2)$ c. $2x(x - 2)$ d. $3x^3(x - 2)$

18. If we factorize : $36a^2 - 49^2$.

- a. $(5a + 7b)(5a - 7b)$ b. $(6a + 7b)(6a - 7b)$ c. $(5a + 6b)(5a - 6b)$ d. $(5a^2 + 7b)(5a^2 - 7b)$

19. the product pq and the sum p + q Determine p and q $pq = -44$ and $p + q = -7$.

- a. -11 and $+4$ b. 11 and $+4$ c. -11 and -4 d. 11 and -4

20. If we Factorise : $2x^2 - 24x + 72$

- a. -6 and -6 b. -6 and $+6$ c. $+6$ and -6 d. $+6$ and $+6$

21. If we factorize : $3xy - 6zy - 3xt + 6zt$

- a. $(x - 2z)(3y - 3t)$ b. $(x - 2z)(3y + 3t)$ c. $(x + 2z)(3y - 3t)$ d. $(2x - z)(y - 3t)$

22. Simplify: $\sqrt{361} + \sqrt{1600} + \sqrt{144}$

- a. 41 b. 51 c. 61 d. 71

23. Add : $8xy + 4yz - 7zx$, $6yz + 11zx - 6y$ and $-5xz + n 6x - 2yx$

a. $+6xy + 10yz + xy + 6x - 6y$

b. $+6xy + 10yz + xy - 6x - 6y$

c. $+6xy + 10yz + xy + 6x + 6y$

d. $+6xy + 10yz - xy + 6x - 6y$

24. Find the cube root of 17576 using factorisation [Choose the correct format]

a. $17576 = 2 \times (8788) = 2 \times 2 \times (4394)$
 $= 2 \times 2 \times 3 \times (2197)$
 $= 2 \times 2 \times 2 \times 13 \times (169)$
 $= 2 \times 2 \times 2 \times 13 \times 13 \times 13$
 $= (2 \times 13) \times (2 \times 13) \times (2 \times 13)$
 $= 26 \times 26 \times 26$
 $= \sqrt[3]{17576} = 26$

b. $17576 = 2 \times (8788) = 2 \times 2 \times (4394)$
 $= 2 \times 3 \times 2 \times (2197)$
 $= 2 \times 2 \times 2 \times 13 \times (169)$
 $= 2 \times 2 \times 2 \times 13 \times 13 \times 13$
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c. $17576 = 2 \times (8788) = 2 \times 2 \times (4394)$
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d. $17576 = 2 \times (8788) = 2 \times 2 \times (4394)$
 $= 2 \times 2 \times 2 \times (2197)$
 $= 2 \times 2 \times 2 \times 13 \times (169)$
 $= 2 \times 2 \times 2 \times 13 \times 13 \times 13$
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