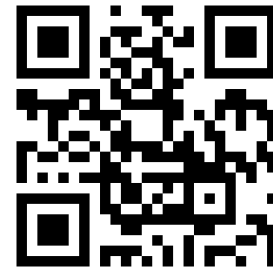


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More files for: 7th Grade subject Math - Term 1

Worksheet about Pattern, sequence and factorisation	1
Final exam of geometry	2
Algebraic Expressions worksheet	3
PythagoreanTheorem worksheet	4
Rational Numbers worksheet	5
Solve Equations worksheet	6

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Grade 9

Maths
(Part 2)

Name:

Max: 50(part 1+2+3)

-
11. to evaluate $(99)^3$, best option is expansion of
a) $(95 + 4)^3$ b) $(90 + 9)^3$ c) $(100 - 1)^3$ d) $(98 + 1)^3$
12. the coefficient of x in the expansion of $(x + 3)^3$ is
a) 1 b) 9 c) 18 d) 27
13. Two adjacent complementary angles are equal, then angles are
a) $90^\circ, 90^\circ$ b) $75^\circ, 75^\circ$ c) $30^\circ, 30^\circ$ d) $45^\circ, 45^\circ$
14. if two complementary angles are in the ratio 13: 5, then the angel are
a) $65^\circ, 35^\circ$ b) $65^\circ, 25^\circ$ c) $13x^\circ, 5x^\circ$ d) $60^\circ, 30^\circ$
15. Two sides of a triangle are of length 5 cm and 1.5 cm. The length of the third side of the triangle cannot be:
a) 3.6 cm b) 4.1 cm c) 3.8 cm d) 6.9 cm
16. In ΔPQR , if $\angle R > \angle Q$, then
a) $QR > PR$ b) $PQ > PR$ c) $PQ < PR$ d) $QR < PR$
17. D is a point on the side BC of a ΔABC such that AD bisects $\angle BAC$. Then
a) $\frac{BD}{DC} = \frac{AB}{AC}$ b) $CD > CA$ c) $BD > BA$ d) $BA > BD$
18. It is given that $\Delta ABC \cong \Delta FDE$ and $AB = 5$ cm, $\angle B = 40^\circ$ and $\angle A = 80^\circ$. Then which of the following is true?
a) $DF = 5$ cm, $\angle F = 60^\circ$ b) $DF = 5$ cm, $\angle E = 60^\circ$
c) $DE = 5$ cm, $\angle E = 60^\circ$ d) $DE = 5$ cm, $\angle D = 40^\circ$
19. In triangles ABC and DEF, $AB = FD$ and $\angle A = \angle D$. The two triangles will be congruent by SAS axiom if:
a) $BC = EF$ b) $AC = DE$ c) $AC = EF$ d) $BC = DE$
20. A polynomial with one degree is called:
a) Linear polynomial b) Quadratic polynomial c) Monomial d) Binomial