Title: Basic Maths, Class 5th Students.	
Objective: • Assess the current knowledge and skills of students in basic maths. • Identify areas for improvement and tailor instruction accordingly. **Instructions:** • Read each question carefully. • Answer to the best of your ability. • Time limit: 45 mins/ session. • Volunteers can choose any 1 topic per session with solving one or two examples. • Solve 1 or 2 Problems on each topic. • Help students to solve more problems in class. (Class Work).	
1. Number Series ಸಂಖ್ಯೆ ಸರಣಿ	Natural, Odd, Even, Prime, Whole, Integers, etc.
2. Place Value & Rounding ಸ್ಥಳದ ಮೌಲ್ಯ ಮತ್ತು ಪೂರ್ಣಾಂಕ	60,000 + _____ + 100 + 90 + 8 = 64,198
3. Addition & Subtraction ಸಂಕಲನ ಮತ್ತು ವ್ಯವಕಲನ	68 + 37 + 1,000 + ____ + 11 = 1,559
4. Multiplication & Division ಗುಣಾಕಾರ ಮತ್ತು ಭಾಗಾಕಾರ	456 x 789 = ……, 981 ÷ 8 =……
5. Order of Operations	19 + 40 ÷ 5 - (8 + 5) =…… (BODMAS Rule)
6. Fractions - Add/Subtract ಭಿನ್ನರಾಶಿಗಳು - ಸಂಕಲನ & ವ್ಯವಕಲನ	3/8 + 4/8 =……., 2/5 + 2/3 = ……..
7. Fractions- Multiply/Divide ಭಿನ್ನರಾಶಿಗಳು - ಗುಣಾಕಾರ & ಭಾಗಾಕಾರ	2/3 x 3/5= ……., 4 ÷ 1/2=……., 2/3 ÷ 1/6= …….
8. Fractions - Converting ಭಿನ್ನರಾಶಿಗಳು - ಪರಿವರ್ತಿಸುವುದು	4/10=……., 8/100=……., 75/10=……., 99/1000=……
9. Fractions vs Decimals ಭಿನ್ನರಾಶಿಗಳು Vs ದಶಮಾಂಶಗಳು	0.48 =……., 1.37 = …….
10. Decimals - Add/Subtract ದಶಮಾಂಶಗಳು - ಸಂಕಲನ & ವ್ಯವಕಲನ	1.3 + 7.5 = ___, 0.5 + 0.35 = ___, ___ + 2.74 = 4.14
11. Decimals - Multiplication ದಶಮಾಂಶಗಳು - ಗುಣಾಕಾರ	1.63 x 100 = ___, 6 x 0.12 = ___, 1.153 × 1000 =____
12. Decimals - Division ದಶಮಾಂಶಗಳು - ಭಾಗಾಕಾರ	8.8 ÷ 2 =___, 0.84 ÷ 7 =___, 592 ÷ 100 =____
13. Measurement ಅಳತೆಗಳು/ಮಾಪನ	10 mm= ___, 12 cm= ____, 100 cm= ____
14. Geometry (ರೇಖಾಗಣಿತ)	Angles, Shapes. (ಕೋನಗಳು, ಆಕಾರಗಳು.)
15. Factoring (ಅಪವರ್ತನ	6= (1,2,3,6), 9=(1,3,9), 13=(1,13), 17=(1,17) etc.
16. Exponents (ಘಾತಕಗಳು)	2^3 = _____, 3 x 3 x 3 x 3 =_____, 5^1=_____
17. Data & Graphing	
18. Integers (ಪೂರ್ಣಾಂಕಗಳು)	-21 < -7=____, 8 + (-4) =_____, -6 x 11 =_____
19. Algebra (ಬೀಜಗಣಿತ)	x + 12=0 then x= ____, x + 12 = 14, x= ____
20. Word Problems	Days in Week, Weeks in Month, Weeks in Year, Leap Yr

Title: Basic Maths, Class 6th Students.	
Objective: ● Assess the current knowledge and skills of students in basic maths. ● Identify areas for improvement and tailor instruction accordingly. **Instructions:** ● Read each question carefully. ● Answer to the best of your ability. ● Time limit: 45 mins/ session. ● Volunteers can choose any 1 topic per session with solving one or two examples. ● Solve 1 or 2 Problems on each topic. ● Help students to solve more problems in class. (Class Work).	
1. **Multiplication and division** ಗುಣಾಕಾರ & ಭಾಗಾಕಾರ	6)70228(8)63677(796×53=_____
2. **Exponents (ಘಾತಕಗಳು)**	**470=_____, 100=_____,950=_____**
3. **Place value/rounding** **ಸ್ಥಳದ ಮೌಲ್ಯ / ಪೂರ್ಣಾಂಕ**	**10.89=_____, 9.86=_____**
4. **Algebra (ಬೀಜಗಣಿತ)**	***a* times 93, p to the 7th power, *t* adds to 2**
5. **Decimals (ದಶಮಾಂಶಗಳು)**	**5.65 + 2.5 = ____, 1.48 – 0.302 = _____**
6. **Measuring (ಅಳತೆಗಳು)**	MM to CM, Cm to Inchs, Inchs to Mtrs, Mtrs to Km
7. **Ratio (ಅನುಪಾತ)**	**1:4, 2:4, 5:10, 3:9**
8. **Percent (ಶೇಕಡಾ)**	**10% of 40, 100% of 36, 50% of 20**
9. **Factoring (ಅಪವರ್ತನ)**	**12, 24, 10, 12, 8, 16 etc.**
10. **Fractions (ಭಿನ್ನರಾಶಿಗಳು)**	**Proper / Improper / Mixed**
11. **Integers (ಪೂರ್ಣಾಂಕಗಳು)**	**4 + (-5) = ____, (-2) + (-8) =_____, Etc.**
12. **Geometry**	**Quadrants in Graph & its co-ordinates.**
13. **Circle (ವೃತ್ತ)**	**Diameter, Radius, Circumference, Cent**
14. **Proportions (ಅನುಪಾತಗಳು)**	**8:20::56:a, 19:C::52:33**

Title: Basic Maths, Class 7th Students.	
Objective: • Assess the current knowledge and skills of students in basic maths. • Identify areas for improvement and tailor instruction accordingly. **Instructions:** • Read each question carefully. • Answer to the best of your ability. • Time limit: 45 mins/ session. • Volunteers can choose any 1 topic per session with solving one or two examples. • Solve 1 or 2 Problems on each topic. • Help students to solve more problems in class. (Class Work).	
1. Introduction to algebra (ಬೀಜಗಣಿತ)	(8 *s* + 7 – 2 *s*), (8 – 6 *a* + 10 *a* + 5 + 7*a*)
2. **Integers (ಪೂರ್ಣಾಂಕಗಳು)**	(–10) + (–7) + 6 + (–2) = _____
3. One-step equations (ಒಂದು ಹಂತದ ಸಮೀಕರಣಗಳು)	[*b* – (–1)=–9], [*z* –(–6)=9], [*n* – (–9)= 9]
4. **Rational numbers** (ಭಾಗಲಬ್ಧ ಸಂಖ್ಯೆಗಳು)	**3.18 =**_____, 256.10=_____, 52.00=_____
5. **Multi-step equations and inequalities** **(**ಬಹು-ಹಂತದ ಸಮೀಕರಣಗಳು ಮತ್ತು ಅಸಮಾನತೆಗಳು**)**	**7 = –5(*t* – (–12)),** –5(*t* + 11) – 8*t* = –7
6. **Constant speed, time & distance** (ಸ್ಥಿರ ವೇಗ, ಸಮಯ ಮತ್ತು ದೂರ)	
7. Graphing & slope **(**ಗ್ರಾಫ್ ಮತ್ತು ಇಳಿಜಾರು ರೇಖೆಗಳು**)**	**How to represent (x,y) coordinates on Graph**
8. Ratios (ಅನುಪಾತಗಳು)	**6:10=_____, 12:18=_____, 15:25=_____**
9. **Proportions** (ಅನುಪಾತಗಳು)	**8:20::56: a, 19: C::52:33**
10. **Percent (ಶೇಕಡಾ)**	49% =____, 36% =_____, 71% =_____
11. **Geometry**	**Types of lines, triangles, circles, polygons.**
12. Circle and Pi (ವೃತ್ತ ಮತ್ತು ಪೈ)	**Diameter, Radius, Circumference, Centre**