



BASELINE ASSESSMENT

GRADE 8

Name: _____

Member ID: _____

Time: 90 Minutes

NO CALCULATOR.
USE YOUR BRAIN.

This test is mainly to identify the learner's problem areas. The final mark is only a rough estimation, as the weight of all the questions are 1 mark irrespective of number of steps.

100

16) $3 \times 2 \times (72 \div 9) - 13$

FOR
MARK

17) $\frac{2}{6}$ of $36 - 10$

7008

FOR
MARK

18) $4 \times 10 \div 5 \times (13 - 11)$

7009

FOR
MARK

19) $5000 \text{ ml} = \text{ } l$

20) $6 \text{ m} = \text{ } cm$

21) $6,52 \text{ kg} = \text{ } g$

22) $59 \text{ m} = \text{ } km$

7010

FOR
MARK

FOR
MARK

7011

FOR
MARK

FOR
MARK

Round off to the nearest 10:

23) $84 \approx \text{ }$

24) $167 \approx \text{ }$

7012

FOR
MARK

FOR
MARK

Round off to the nearest 100:

25) $2154 \approx \text{ }$

26) $375 \approx \text{ }$

FOR
MARK

FOR
MARK

Round off to the nearest 1000:

27) $6448 \approx \text{ }$

28) $7835 \approx \text{ }$

FOR
MARK

FOR
MARK

Calculate:

1) $2 + \text{ } = 6$

2) $3 + 5 = \text{ }$

3) $16 + 8 = \text{ }$

4) $27 + 18 = \text{ }$

7001

FOR
MARK

FOR
MARK

FOR
MARK

FOR
MARK

7002

FOR
MARK

FOR
MARK

FOR
MARK

FOR
MARK

7003/4

FOR
MARK

FOR
MARK

5) $9 - 4 = \text{ }$

6) $12 - 5 = \text{ }$

7) $23 - 11 = \text{ }$

8) $57 - 39 = \text{ }$

9) $-1 + 6 = \text{ }$

10) $5 - 9 = \text{ }$

11) $-5 \times 10 \times -3$

7005

FOR
MARK

12) $28 \div -7 = \text{ }$

FOR
MARK

13) $4 \times 3 + 6 \times 5$

7006

FOR
MARK

14) $8 + 2 \times 9$

FOR
MARK

15) $-30 \div 10 \times 5 + 7$

7007

FOR
MARK

Round off to the nearest integer:

7013

29) $1,49 \approx \underline{\hspace{2cm}}$

FOR MARK

30) $14,621 \approx \underline{\hspace{2cm}}$

FOR MARK

Round off to 1 decimal place:

31) $12,53 \approx \underline{\hspace{2cm}}$

FOR MARK

32) $67,397 \approx \underline{\hspace{2cm}}$

FOR MARK

Round off to 2 decimal places:

33) $56,235 \approx \underline{\hspace{2cm}}$

FOR MARK

34) $8,3662 \approx \underline{\hspace{2cm}}$

FOR MARK

Determine the prime factors:

7014

35) $81 =$

FOR MARK

36) $216 =$

FOR MARK

Determine the factors:

7015

37) 40

FOR MARK

38) 36

FOR MARK

Determine the lowest common multiple:

7016

39) 14 and 6:

FOR MARK

40) 4 and 5 and 8:

FOR MARK

Determine the highest common factor:

7017

41) 24 and 40:

FOR MARK

42) 12 and 30 and 36:

FOR MARK

Find the equivalent fractions:

7019

43) $\frac{5}{7} = \frac{\hspace{1cm}}{21}$

FOR MARK

44) $\frac{2}{9} = \frac{8}{\hspace{1cm}}$

FOR MARK

Simplify:

45) $\frac{35}{77} =$

FOR MARK

46) $\frac{24}{80} =$

FOR MARK

Fill in <, > or =

47) $\frac{3}{5} \quad \frac{20}{25}$

FOR MARK

48) $\frac{7}{9} \quad \frac{3}{5}$

FOR MARK

Write as mixed fraction:

49) $\frac{11}{2} =$

7020

FOR MARK

50) $\frac{38}{5} =$

FOR MARK

Write as improper fraction:

51) $8\frac{2}{3} =$

FOR MARK

52) $3\frac{9}{11} =$

FOR MARK

Calculate:

53) $\frac{5}{7} + \frac{4}{7} =$

7021

FOR MARK

54) $\frac{1}{6} + \frac{4}{9} =$

FOR MARK

55) $1\frac{1}{3} + 2\frac{3}{4}$

7022

FOR MARK

56) $\frac{2}{3} \times \frac{5}{8}$

7023

FOR MARK

57) $\frac{7}{9}$ of 45

FOR MARK

58) $\frac{3}{8} \div \frac{1}{7}$

FOR MARK

59) $2\frac{1}{4} \times 5\frac{5}{6} \div 1\frac{11}{24}$

7024

FOR MARK

61) $83,16 + 47,292$

7026

FOR MARK

62) $51,75 - 33,42$

FOR MARK

63) $2,3 \times 6$

7027

FOR MARK

64) $519,28 \div 2$

7028

FOR MARK

7029

65) $82,13 \times 10 =$ _____

FOR MARK

66) $354,86 \div 100 =$ _____

FOR MARK

7030

Complete the table:

-

7036

Fractions	Decimals	Percentages
$\frac{1}{4}$	67)	68)
$\frac{3}{5}$	69)	70)
71)	0,35	72)
73)	0,5	74)
75)	76)	88%
77)	78)	42%

Calculate:

79) 24% of 700

7039

FOR
MARK

80) Increase 250 with 20%

7040

FOR
MARK

81) Decrease 600 with 11%

7041

FOR
MARK82) Calculate the % increase if
60 is increased to 75

7042

FOR
MARK

7045

FOR
MARKFOR
MARKFOR
MARK

7047

FOR
MARKFOR
MARKFOR
MARK

7048

FOR
MARKFOR
MARK

83) $5^3 = \underline{\hspace{2cm}}$

84) $1^6 = \underline{\hspace{2cm}}$

85) $10^0 = \underline{\hspace{2cm}}$

86) $10^2 = \underline{\hspace{2cm}}$

87) $\left(\frac{2}{5}\right)^2 = \underline{\hspace{2cm}}$

88) $(0,6)^2 = \underline{\hspace{2cm}}$

89) $\sqrt{6400} = \underline{\hspace{2cm}}$

90) $\sqrt{\frac{1}{16}} = \underline{\hspace{2cm}}$

91) $4^2 + \sqrt{9} - \sqrt{49}$

7049

FOR
MARK

7051

92) $\left(\frac{3}{4}\right)^3 = \underline{\hspace{2cm}}$

FOR
MARK

93) $2^3 = \underline{\hspace{2cm}}$

FOR
MARK

94) $(0,5)^3 = \underline{\hspace{2cm}}$

FOR
MARK

7052

95) $\sqrt[3]{64} = \underline{\hspace{2cm}}$

FOR
MARK

96) $\sqrt[3]{\frac{1}{8}} = \underline{\hspace{2cm}}$

FOR
MARK

97) $\sqrt[3]{0,027} = \underline{\hspace{2cm}}$

FOR
MARK

98) $(2^3 + 3^3) \div 5$

7053

FOR
MARK

99) $\sqrt[3]{1000} + 50 - 3^3$

FOR
MARK

100) $(3^2 - 4^2) + \sqrt[3]{125}$

FOR
MARK