

**PRACTICE - CTC Math Assessment Test**

**Name:** \_\_\_\_\_

**Date:** \_\_\_\_\_ **Student Number:** \_\_\_\_\_

**Goal:** \_\_\_\_\_

**Course**

**Recommendations:** \_\_\_\_\_

**SCORE SUMMARY**

| <b>SCORES</b>               |       | <b>COMMENTS</b> |
|-----------------------------|-------|-----------------|
| Whole Numbers               | _____ | _____           |
|                             | 12    |                 |
| Fraction                    | _____ | _____           |
|                             | 10    |                 |
| Decimals                    | _____ | _____           |
|                             | 14    |                 |
| Ratio, Proportion & Percent | _____ | _____           |
|                             | 14    |                 |
| <b>Total</b>                | _____ | _____           |
|                             | 50    |                 |

**INTRODUCTION**

This test will assess your current arithmetic skills. You may **NOT** use a calculator.

**WHOLE NUMBERS**

- How many letters are there in this list?  
S x w k e d c v f r t p g b y n h u j \_\_\_\_\_ (1 mark)
- Arrange these numbers in order from smallest to largest  
3860            3250            5656            5995  
\_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_ (1 mark)
- Round off 54,628 to the nearest:
  - hundred a) \_\_\_\_\_
  - thousand b) \_\_\_\_\_

4. Add and show your work here.

a) 
$$\begin{array}{r} 368 \\ +26 \\ \hline \end{array}$$

b) 
$$\begin{array}{r} 1436 \\ +766 \\ \hline \end{array}$$

a) \_\_\_\_\_

b) \_\_\_\_\_

5. Subtract and show your work here.

a) 
$$\begin{array}{r} 56 \\ -29 \\ \hline \end{array}$$

b) 
$$\begin{array}{r} 1649 \\ -511 \\ \hline \end{array}$$

a) \_\_\_\_\_

b) \_\_\_\_\_

6. Multiply and show your work here.

a) 
$$\begin{array}{r} 567 \\ \times 6 \\ \hline \end{array}$$

b) 
$$\begin{array}{r} 233 \\ \times 199 \\ \hline \end{array}$$

a) \_\_\_\_\_

b) \_\_\_\_\_

7. Divide and show your work here.

a)  $6 \overline{) 2824}$

b)  $26 \overline{) 1068}$

a) \_\_\_\_\_

b) \_\_\_\_\_

**WHOLE NUMBERS:**

**12 Marks**

## FRACTIONS

1. Change the fractions below into fractions with a common denominator.

a)  $\frac{1}{4}$

b)  $\frac{2}{8}$

c)  $\frac{8}{24}$

a) \_\_\_\_\_

b) \_\_\_\_\_

c) \_\_\_\_\_

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2. Find the sum in each of the following:

a)  $\frac{2}{4} + \frac{5}{8} + \frac{7}{24}$  a) \_\_\_\_\_

b)  $2\frac{3}{9} + 3\frac{4}{9}$  b) \_\_\_\_\_

3. Find the difference in each of the following:

a)  $\frac{4}{12} - \frac{7}{18}$  a) \_\_\_\_\_

b)  $5\frac{8}{15} - 3\frac{3}{5}$  b) \_\_\_\_\_

4. Multiply each of the following:

a)  $12 \times \frac{3}{24}$  a) \_\_\_\_\_

b)  $8 \times \frac{2}{5}$  b) \_\_\_\_\_

5. Divide each of the following:

a)  $\frac{9}{12} \div \frac{8}{37}$  a) \_\_\_\_\_

b)  $29 \div \frac{3}{8}$  b) \_\_\_\_\_

**FRACTIONS: 10 Marks**

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**DECIMALS:**

1. Write the following as fractions or mixed numbers:

a) 0.64

b) 3.581

a) \_\_\_\_\_

b) \_\_\_\_\_

2. Write as decimals

a) eight tenths

a) \_\_\_\_\_

b) sixty-two one hundredths

b) \_\_\_\_\_

3. Add each of the following

a) 
$$\begin{array}{r} 0.359 \\ + 0.082 \\ \hline \end{array}$$

b) 
$$\begin{array}{r} 3.44 \\ 0.05 \\ + 6.22 \\ \hline \end{array}$$

a) \_\_\_\_\_

b) \_\_\_\_\_

4. Subtract each of the following

a) 
$$\begin{array}{r} 5.678 \\ - 0.683 \\ \hline \end{array}$$

b) 
$$\begin{array}{r} 46.28 \\ - 4.11 \\ \hline \end{array}$$

a) \_\_\_\_\_

b) \_\_\_\_\_

5. Multiply each of the following

a) 
$$\begin{array}{r} 1.5 \\ \times 0.6 \\ \hline \end{array}$$

b) 
$$\begin{array}{r} 8.4 \\ \times 3.28 \\ \hline \end{array}$$

a) \_\_\_\_\_

b) \_\_\_\_\_

6. Divide each of the following

a)  $3 \overline{) 9.6}$

b)  $0.44 \overline{) 0.824}$

a) \_\_\_\_\_

b) \_\_\_\_\_

7. Change to decimal numbers

a)  $\frac{6}{7}$

b)  $3\frac{2}{5}$

a) \_\_\_\_\_

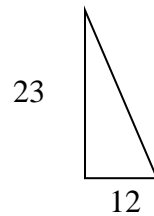
b) \_\_\_\_\_

**DECIMALS: 14 Marks**



### **RATIO & PROPORTION**

1. What is the ratio of height to base for this triangle?



1) \_\_\_\_\_

2. Find the value of  $n$

$$\frac{3}{n} = \frac{8}{24}$$

2) \_\_\_\_\_

3. A pump supplies 200 litres of oil in 20 seconds. How much can it supply in 300 seconds?

3) \_\_\_\_\_

### **PERCENT**

1. Write as decimals

a) 50%

a) \_\_\_\_\_

b) 360%

b) \_\_\_\_\_

c)  $\frac{2}{5}$  %

c) \_\_\_\_\_

2. Change to percents

a) 0.66

a) \_\_\_\_\_

b) 2.4

b) \_\_\_\_\_

3. Change to percents

a)  $\frac{3}{8}$

a) \_\_\_\_\_

b)  $\frac{1}{12}$

b) \_\_\_\_\_

4. Calculate:

26% of 700

4. \_\_\_\_\_

5. Calculate:

60 is \_\_\_\_\_% of 240

5. \_\_\_\_\_

6. Calculate:

35% of \_\_\_\_\_ = 700

6. \_\_\_\_\_

**RATIO, PROPORTION & PERCENT: 14 Marks**

