

Adult Upgrading

PRACTICE MATHEMATICS SKILLS ASSESSMENT

Calculators are not to be used during the assessment.

Fundamental Level - MATH 040, 050 & 060

Addition, subtraction, multiplication and division using whole numbers, decimals and fractions are some of the topics covered in the Fundamental level. There is also an introduction to estimation, percent, ratios and proportions.

Sample Questions:

1. Add.

$$\begin{array}{r} 4628 \\ 1503 \\ \hline \end{array}$$

2. Subtract.

$$\begin{array}{r} 356 \\ 235 \\ \hline \end{array}$$

3. Subtract.

$$\begin{array}{r} 607 \\ 324 \\ \hline \end{array}$$

4. Multiply.

$$\begin{array}{r} 14 \\ 57 \\ \hline \end{array}$$

5. Divide.

$$6 \overline{)894}$$

6. Round 45.678 to the hundredths place.

7. Add.

$$54.6 + 7.89$$

8. Multiply.

$$12.427 \times 4$$

9. Divide.

$$0.08 \overline{)64}$$

10. Add.

$$\frac{1}{8} + \frac{3}{8}$$

11. Subtract.

$$\frac{3}{4} - \frac{2}{6}$$

12. Add.

$$5\frac{1}{3} + 2\frac{1}{6}$$

13. Subtract.

$$3\frac{1}{4} - 2\frac{1}{8}$$

14. Multiply.

$$\frac{2}{3} \times \frac{3}{8}$$

15. Divide.

$$\frac{1}{15} \div \frac{2}{5}$$

16. Convert 18.75% to a decimal.

17. Convert $\frac{1}{4}$ to a percent.

18. How much is 15% of 30?

Intermediate Level - MATH 070

Sample Questions:

1. Solve the following proportion.

$$\frac{--}{--} = \frac{--}{--}$$

2. If 1 g = 1000 mg,
How many g are in
700 mg?

3. Simplify $\frac{--}{--}$.

4. Evaluate using the
correct order of
operations.
(i.e. BEDMAS)

$$40 - 2^2 + 3^2 \div 5$$

5. Find the area and
the perimeter of the
rectangle.

6. Find the average of
6, 8 and 16.

7. Divide.

8. Subtract.

9. Write the correct
symbol, (greater
than) or (less
than)

10. Evaluate the
expression

$$\frac{x}{2} - 5 \text{ when } x = 8$$

28. Solve.

— —

29. Subtract and simplify.

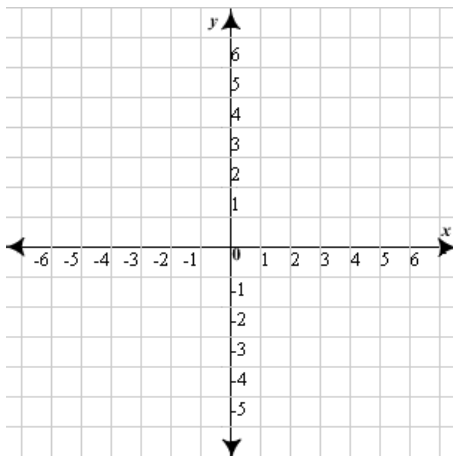
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30. Simplify.

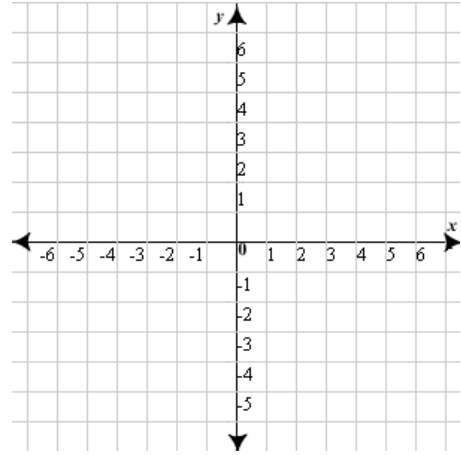
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31. Graph.

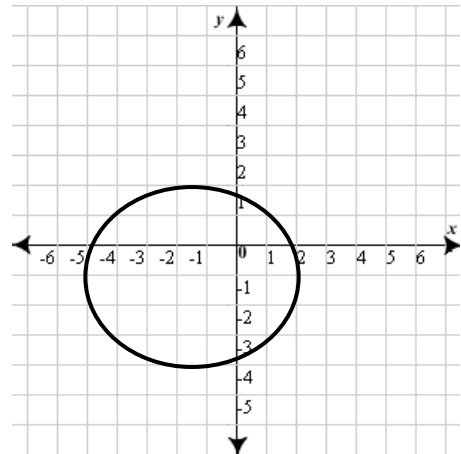
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32. Graph . Find the vertex, the line of symmetry, and the maximum or minimum value.



33. Find the domain and the range.



Provincial Level - MATH 012

MATH 012 is equivalent to Pre-Calculus 12. Students who complete most of the questions on the Math Skills Assessment correctly may be placed into MATH 012.

