

Math Skills Pre-test

Name: _____

Show all work. Write answers in the space provided. Date: _____ Period: _____

Arrange the numbers in order from least to greatest.

1) 352, 253, 325, 335, 235

2) 0.02, 0.022, 0.202, 0.22, 0.2

3) Round 142.389 to the nearest hundredth.

4) Round 294.013 to the nearest tens.

5) List **all factors** of 18

Compare the following values. Write $>$, $<$, or $=$

6) -2 _____ -1

7) $|3|$ _____ 3

8) $\frac{3}{5}$ _____ $\frac{2}{3}$

9) Write 0.75 as a fraction

10) Write as a decimal: $\frac{9}{100}$

11) Find 60% of 20

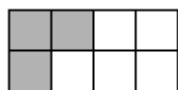
12) Reduce $\frac{21}{48}$

13) Write as a mixed number: $\frac{16}{5}$

14) Give the length of the line segment shown below in inches.



15) What fraction of this rectangle is shaded?



Answers

1	<i>see problem</i>
2	<i>see problem</i>
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Simplify

16) $6.3 - 3.93$

17) $305 - 282 =$

18) $5 - 7 =$

19) $-13 + -5 =$

20) $6 - (-3) =$

21) $\frac{3}{7} + \frac{2}{7} =$

22) $\frac{7}{12} + \frac{2}{3} =$

23) $1.42 \times 3 =$

24) $10.8 \div 9 =$

25) $15 \overline{)105}$

26) $18 \times 12 =$

27) $-3 \cdot -7 =$

28) $18 \div -3 =$

29) $\frac{5}{6} \times \frac{3}{4} =$

30) $\frac{3}{5} \div \frac{2}{15} =$

Simplify

31) $3^2 =$

32) $(-2)^3 =$

Simplify by using the order of operations

33) $3 + 5 \cdot 6 =$

34) $4(5 + 2) =$

35) $16 \div 8 - 2 =$

36) $5 \times 8 + 6 \div 6 - 12 \times 2 =$

Solve for x. Show all steps used.

37) $3x = 27$

38) $3x + 1 = -7$

39) $5x - 9 = 3x + 8$

40) $4(x + 5) + 3 = 11$

Answers

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