

Practice - Order of Operations

Name _____

Write using exponential notation.

1) $9 \cdot 9 \cdot 2 \cdot 2 \cdot 2 \cdot 2 \cdot 7$

11) $(2 + 5)[6 + (8 + 2)]$

Evaluate.

2) 6^3

12) $\frac{34(7 - 4) - 6}{3^2 - 3}$

3) 19^0

Divide. Round to the nearest 10th as needed.

4) $2 \cdot 3^3$

13) $5 \overline{)2}$

Find the square root.

5) $\sqrt{144}$

14) $8.6 \overline{)76.54}$

Simplify.

6) $240 \div 8 - 4$

15) $45.65 \div 8.3$

7) $7^2 - 2 \cdot 2$

Divide, and round the quotient as indicated.

8) $0 \div 4 + 2 \cdot 6$

16) Divide 3.32 by 25 and round the quotient to the nearest hundredth.

9) $48 \div 0 + 4$

17) Divide 172.01 by 6.9 and round the quotient to the nearest thousandth.

10) $[20 - (4 + 6) \div 2] - [1 + 9 \div 3]$

Divide.

18) $28.845 \div 100$

19) $\frac{0.89}{1000}$

Simplify the expression.

20) $6.8(8 - 7.8)$

21) $(7.8)^2 + 3.4 - 6.1$

22) $(4.1 + 7.8)(8.6 - 1.5)$

23) $\frac{(9.2)^2}{1000}$

24) $[\sqrt{36} \div (11 - 5) + 6^2] - (\sqrt{25} + \sqrt{1})^2$

Solve.

25) In a track meet, Jake runs 600 meters in 85.3 seconds. What was his average speed in meters per second? (Round to the nearest tenth.)

26) There are 2.54 centimeters in an inch. If a painting in a museum is 150 centimeters wide, how wide is the painting in inches. Round answer to the nearest hundredth, if necessary.

Answer Key

Testname: M050_1.4_4.5

- 1) $9^2 \cdot 2^4 \cdot 7$
- 2) 216
- 3) 1
- 4) 54
- 5) 12
- 6) 26
- 7) 45
- 8) 12
- 9) Undefined
- 10) 11
- 11) 112
- 12) 16
- 13) 0.4
- 14) 8.9
- 15) 5.5
- 16) 0.13
- 17) 24.929
- 18) 0.28845
- 19) 0.00089
- 20) 1.36
- 21) 58.14
- 22) 84.49
- 23) 0.08464
- 24) 1
- 25) 7 m/s
- 26) 59.06 in.