

Solve each problem completely. Choose the letter of the correct answer.

1} $4[(15 - 9) + 8(2)^2]$

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|--------|--------|
| a. 192 | c. 152 |
| b. 263 | d. 247 |

2} $\frac{53+15}{17-13}$

- | | |
|----------|----------|
| a. 17 | c. 24.5 |
| b. 40.88 | d. 17.09 |

Match the property with the example.

3}

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| _____ Identity Property of Addition | a} $7(14+2) = (7 \times 14) + (7 \times 2)$ |
| _____ Multiplicative Property of Zero | b} $17 \times 0 = 0$ |
| _____ Commutative Property of Multiplication | c} $-2 \times 2 = -4$ |
| _____ Distributive Property | d} $17 + 0 = 17$ |
| _____ Inverse Property of Multiplication | e} $8 \times 2 = 2 \times 8$ |

Evaluate completely the exponents below.

4} $9^3 \cdot (9^2)^3$

- | | |
|-------------|----------------|
| a. 9^{18} | c. 387,420,489 |
| b. 9^6 | d. 9^9 |

5} $\frac{-55x^2y}{11xy^3z^2}$

- | | |
|--------------------------|--------------------------|
| a. $\frac{-55x}{y^2z^2}$ | c. $\frac{-55x}{y^2z^3}$ |
| b. $\frac{-5x}{y^2z^2}$ | d. $\frac{-5x}{y^2z^3}$ |

For the set of numbers, choose GCF and the LCM.

$10x^2y^3$ and $25xy^2$

17} GCF

a. $5xy^3$

c. $5xy^2$

b. $10x^1y^5$

d. $10xy^2$

18} LCM

a. $5x^2y^3$

c. $25x^2y^3$

b. $50x^2y^3$

d. $100x^1y^3$

Solve the problems below.

Mrs. X is having a birthday party for her daughter and son. They each went to the store to choose candy for the goodie bags. They bought 48 Snicker bars, 60 bags of M&M's candies and 32 Blow-pops. When they make the goodie bags, how many of each type of candy will go in each bag and how many bags will they be able to make?

HOW MANY OF EACH TYPE OF CANDY?

19} Snicker Bars

a. 24

c. 48

b. 6

d. 12

20} M & M's

a. 12

c. 60

b. 10

d. 15

21} Blow-pops

a. 8

c. 4

b. 12

d. 32

22} HOW MANY BAGS?

a. 6

c. 4

b. 10

d. 12

23} The Panther team is having a party for Halloween. The guests of this party ate $0.\overline{7}$ of the pizza that was ordered. What would be the fraction representation of this decimal?

a. $\frac{7}{1}$

c. $\frac{7}{8}$

b. $\frac{7}{9}$

d. $\frac{6}{9}$

