

28

$$\sqrt{225} =$$

- A 15
B 25
C 35
D 45



CSM01839

29 If $x = 100$, what is the value of $4\sqrt{x}$?

- A 20
B 40
C 100
D 200

$$4\sqrt{100}$$

$$4 \times 10$$

CSM21141

30 The value of $\sqrt{85}$ is between which two integers?

- B** 8 and 9
9 and 10
C 41 and 42
D 42 and 43



CSM40231

31

$$|9 - 5| - |6 - 8| =$$

- A -6
B -2
C



32

Which expression has the *smallest* value?

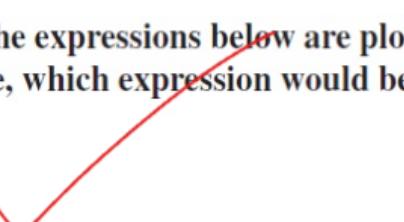
- A $|-19|$
B $|-34|$
C $|11|$
D $|47|$



CSM10167

33 If the values of the expressions below are plotted on a number line, which expression would be closest to five?

- A** $|-4|$
B $|-18|$
C $|7|$
D $|16|$



CSM10168

34 The sum of a number (n) and 14 is 72. Which equation shows this relationship?

- A** $14 + n = 72$
B $72n = 14$
C $14 - n = 72$
D $72 + n = 14$



CSM00858

35

If $x = 4$ and $y = 3$, then $xy - 2x =$



- C 2
D 6



CSM01413

36 If $m = 3$ and $n = 5$, what is the value of $4m + mn$?

- A 180
B 27
C 20
D 15



CSM00340

37 Which operation will change the value of any nonzero number?

- A adding zero
B multiplying by zero
C multiplying by one
D dividing by one



CSM01943

38 Which property is used in the equation below?

$$12(x + 4) = 12x + 48$$

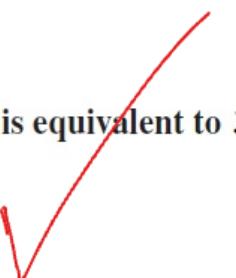
- A Associative Property of Addition
B Commutative Property of Addition

- A 4
B 6
C 19
D 40



39 Which expression is equivalent to $3x - 3y$?

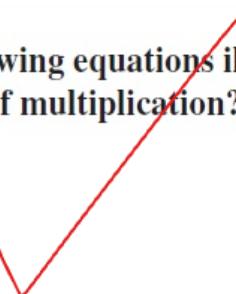
- A $3xy$
B $3(x - y)$
C $3x - y$
D $x - 3y$



CSM00846

40 Which of the following equations illustrates the inverse property of multiplication?

- A $5 \times \frac{1}{5} = 1$
B $5 \times 1 = 5$
C $5 \times 0 = 0$
D $5 \times 5 = 25$



CSM21604

41 Which equation shows the distributive property?

- A $4(3 + 6) = 12 + 24$
B $(4 + 3) + 6 = 6 + (4 + 3)$
C $(12 + 4) + 0 = 12 + 4$



C Distributive Property



D Reflexive Property

- 42 Which expression is the result of applying the distributive property to $8 \times (100 + 5)$?

A 8×105

B 8×140

C $800 + 5$

D $800 + 40$



CSM21016

- 43 Which property is illustrated by $\frac{1}{2} \left(\frac{3}{3} \right) = \frac{3}{6}$?

A Additive Identity

B Commutative Property

C Distributive Property

D Multiplicative Identity



CSM11050

D $(12 + 4) + 6 = 12 + (4 + 6)$

CSM10912

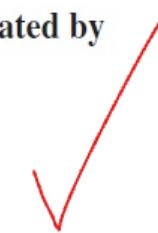
- 44 Which property is illustrated by $2(2x + 4) = 4x + 8$?

A Additive Identity

B Distributive Property

C Associative Property of Addition

D Commutative Property of Addition



CSM11051

- 45 Which of the following is an example of an inequality?

A $3n - 6$

B $4n > 9$

C $2 = n - 1$

D $5 + 0 = 5$



CSM01848