

1.6.22 Addition-Subtraction of Integers & Polynomials 3 Combined

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Add.

1)  $-\frac{6}{7} + \frac{2}{7}$  1) \_\_\_\_\_  
 A)  $-\frac{2}{7}$  B)  $\frac{8}{7}$  C)  $\frac{4}{7}$  D)  $-\frac{4}{7}$

2)  $\frac{-3}{8} + \left(-\frac{7}{8}\right)$  2) \_\_\_\_\_  
 A)  $\frac{1}{2}$  B)  $\frac{5}{4}$  C)  $-\frac{5}{4}$  D)  $-\frac{1}{2}$

3)  $[-1 + (-12)] + [(-3) + (-16)]$  3) \_\_\_\_\_  
 A) -30 B) -24 C) -6 D) -32

4)  $[2 + (-6)] + (-7 + 4)$  4) \_\_\_\_\_  
 A) 19 B) 7 C) -15 D) -7

5)  $12 + (-5) + (-22)$  5) \_\_\_\_\_  
 A) -5 B) 39 C) -15 D) 29

6)  $-4.2 + (-7.1) + (-5.8)$  6) \_\_\_\_\_  
 A) -17.1 B) 5.5 C) -8.7 D) 2.9

7)  $-90 + 41$  7) \_\_\_\_\_  
 A) -49 B) 49 C) -131 D) 131

8)  $-2.3 + (-2.7)$  8) \_\_\_\_\_  
 A) 5 B) -5 C) 0.4 D) -0.4

Decide which property of addition is illustrated.

9)  $4 + 8 = 8 + 4$  9) \_\_\_\_\_  
 A) Inverse B) Identity C) Associative D) Commutative

10)  $(4 + 4) + 8 = 4 + (4 + 8)$  10) \_\_\_\_\_  
 A) Commutative B) Associative C) Inverse D) Identity

Use the indicated property to provide a new expression equal to the given expression.

11)  $(9 + 7) + 6$ ; associative 11) \_\_\_\_\_  
 A)  $9 + 7 + 6$  B)  $9 + (7 + 6)$  C)  $(7 + 9) + 6$  D)  $(9 + 7 + 6)$

12)  $9 + (-9)$ ; inverse 12) \_\_\_\_\_  
 A) 81 B) 0 C) 18 D) -18



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Solve the problem.

- 23) Nikki is fishing from a bank 45 feet above water level. In this location, the fish tend to feed at 50 feet below the surface. How long must Nikki's fish line be to reach the fish? 23) \_\_\_\_\_  
 A) -45 feet                      B) 5 feet                      C) -5 feet                      D) 95 feet

- 24) In a certain location, the highest temperature recorded was  $104^{\circ}\text{F}$ . The lowest temperature recorded was 139 degrees less than the highest. What was the lowest temperature? 24) \_\_\_\_\_  
 A)  $0^{\circ}\text{F}$                       B)  $-35^{\circ}\text{F}$                       C)  $-138^{\circ}\text{F}$                       D)  $35^{\circ}\text{F}$

- 25) The two charts show the weight gain of some people and the weight loss of other people. Use the information given to answer the questions below. How much more weight did Don lose than Ed? 25) \_\_\_\_\_

Weight Gain		Weight Loss	
Name	(in grams)	Name	(in grams)
Abe	3051	Don	-2958
Bob	4208	Ed	-2177
Carl	1695	Frank	-857

- A) 781 grams                      B) -5135 grams                      C) 5135 grams                      D) -781 grams

- 26) For the XYZ Corporation, the net change (to the nearest dollar) in stock values for the first six months is given in the table. What is the total net change in value for the first six months? 26) \_\_\_\_\_

Month	Net Change
January	-1
February	4
March	7
April	2
May	-2
June	-6

- A) 22                      B) 15                      C) 4                      D) -22

Evaluate.

- 27)  $(25 - 5) - 24$  27) \_\_\_\_\_  
 A) 6                      B) 44                      C) 54                      D) -4

- 28)  $-35 + [19 - (-3 + 2)]$  28) \_\_\_\_\_  
 A) -17                      B) -11                      C) -15                      D) -55

- 29)  $2 + 15 + 14$  29) \_\_\_\_\_  
 A) -27                      B) 27                      C) 1                      D) 31

- 30)  $12 - (-6)$  30) \_\_\_\_\_  
 A) -6                      B) -18                      C) 6                      D) 18

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Write as a subtraction problem and evaluate.

31) 3 less than -17

A)  $-17 - 3; -20$

B)  $-17 - 3; 20$

C)  $3 - (-17); 20$

D)  $3 - 17; -14$

31) \_\_\_\_\_

32) The sum of 6 and -7, decreased by 2

A)  $[6 + (-7)] + 2; 1$

B)  $[6 + (-7)] - 2; -3$

C)  $[6 + (-2)] + 7; 11$

D)  $[6 - (-7)] - 2; 11$

32) \_\_\_\_\_

Answer Key

Testname: 1.6.22 ADD-SUBINTEGERS POLY COMBINED

- 1) D
- 2) C
- 3) D
- 4) D
- 5) C
- 6) A
- 7) A
- 8) B
- 9) D
- 10) B
- 11) B
- 12) B
- 13) C
- 14) B
- 15) C
- 16) A
- 17) B
- 18) B
- 19) B
- 20) D
- 21) C
- 22) C
- 23) D
- 24) B
- 25) A
- 26) C
- 27) D
- 28) C
- 29) D
- 30) D
- 31) A
- 32) B