

# HESI A2

1. How many ounces are there in a gallon?

A. 32

B. 64

C. 128

D. 1/4

**Answer(s): C**

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2. What is 70% of 65?

A. 45.5

B. 50.5

C. 65

D. 110.5

**Answer(s): A**

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3. For a recipe, there are 3 eggs needed for every pound of cake needed. How many pounds of cake can be made if there are 40 eggs?

A. 12

B. 13

C. 14

D. 15

**Answer(s): B**

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4. Evaluate:

$x^4 - y$  if  $x = 3$  and  $y = 20$

A. 61

B. 65

C. -8

D. -10

**Answer(s): A**

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5. Subtract:  $1001 - 99 =$

A. 900

B. 902

C. 999

D. 1,000

**Answer(s): B**

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6. Add:  $9.43 + 11.3 =$

A. 21.73

B. 10.7

C. 20.73

D. 25.85

**Answer(s): C**

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7. Multiply:  $(226)(55.3) =$

A. 24,277.3

B. 12,497.8

C. 32,449.3

D. 11,936.5

**Answer(s): B**

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8. How many millimeters are there in 5 meters?

A. 500

B. 5,000

C. 50,000

D. 500,00

**Answer(s): B**

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9. Which of the following is equivalent to 0.0009?

A. 0.0009%

B. 0.009%

C. 0.09%

D. 0.9%

**Answer(s): C**

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**10.** Write the number 1906 in Roman numerals.

A. MCMLXVIII

B. MCMXVI

C. MCMVI

D. XIXVI

**Answer(s): C**

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**11.** Convert the following military time to regular time:

15:17:52 hours

A. 5:17:52 AM

B. 5:17:52 PM

C. 3:17:52 AM

D. 3:17:52 PM

**Answer(s): D**

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**12.** Solve:

$$2 - 8 \div (24 \div 2) =$$

A. -6

B.  $-3/4$

C. 1

D. 2

**Answer(s):** C

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**13.** Solve the proportion (find the value of x):

$$9/14 = x/56$$

A.  $x = 14$

B.  $x = 25$

C.  $x = 36$

D.  $x = 42$

**Answer(s):** C

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**14.** How many centimeters are there in a foot?

A. 12

B. 24.5

C. 30.5

D. 36

**Answer(s):** C

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15. Joe makes \$20 an hour and Tim makes \$30 an hour. How many hours more than Tim must Joe work to earn the same amount Tim makes in 4 hours?

A. 1

B. 2

C. 3

D. 4

**Answer(s): B**

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16. Solve for x:

$$3(x - 4) = 18$$

A.  $x = 3/2$

B.  $x = 22/3$

C.  $x = 6$

D.  $x = 10$

**Answer(s): D**

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17. There are 6,657 marbles in a jar. Approximately 34% are white, and the rest are black. How many black marbles are there?

A. 2,263

B. 4,394

C. 1,098

D. 66

**Answer(s): B**

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**18.** At a comic book store, Robert purchased three comics for \$2.65 each. If he paid with a \$20 bill, how much change did he receive?

A. \$12.05

B. \$13.15

C. \$13.85

D. \$17.35

**Answer(s): A**

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**19.** What is the boiling point of water?

A. 32° Fahrenheit

B. 100° Fahrenheit

C. 100° Celsius

D. 212° Celsius

**Answer(s): C**

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**20.** How many ounces are in a ton?

A. 1,600

B. 2,000

C. 16,000

D. 32,000

**Answer(s):** D

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