

Question: 1

A roast was cooked at 325°F in the oven for 4 hours. The internal temperature rose from 32°F to 145°
What was the average rise in temperature per hour?

- A. 20.2°F/hr
- B. 28.25°F/hr
- C. 32.03°F/hr
- D. 37°F/hr
- E. 37.29°F/hr

Answer: B

Question: 2

In the number 743.25 which digit represents the tenths space?

- A. 2
- B. 3
- C. 4
- D. 5
- E. 6

Answer: A

Question: 3

Add $0.98 + 45.102 + 32.3333 + 31 + 0.00009$

- A. 368.573
- B. 210.536299
- PSAT_Math Exam
- C. 109.41539
- D. 99.9975
- E. 80.8769543

Answer: C

Question: 4

Find $0.12 \div 1$

- A. 12
- B. 1.2
- C. .12
- D. .012
- E. .0012

Answer: C

Question: 5

$(9 \div 3) \times (8 \div 4) =$

- A. 1
- B. 6
- C. 72
- D. 576
- E. 752

Answer: B

Question: 6

$6 \times 0 \times 5 =$

- A. 30
- B. 11
- C. 25
- D. 0
- E. 27

Answer: D

Question: 7

$7.95 \div 1.5 =$

- A. 2.4
- B. 5.3
- C. 6.2
- D. 7.3

E. 7.5

Answer: B

Question: 8

-32 + 7 equals:

- A. -25
- B. 25
- C. -26
- D. 26
- E. 27

Answer: A

Question: 9

-37 + -47 equals:

- A. 64
- B. -84
- C. 65
- D. -75
- E. -66

Answer: B

Question: 10

41% equals:

- A. 4.1
- B. .41
- C. .041
- D. .0041
- E. .00415

Answer: B

Question: 11

Describe the following sequence in mathematical terms. 144, 72, 36, 18, 9

- A. Descending arithmetic sequence
 - B. Ascending arithmetic sequence
 - C. Descending geometric sequence
 - D. Ascending geometric sequence
- PSAT_Math Exam
- E. Miscellaneous sequence

Answer: C

Question: 12

Which of the following is not a whole number followed by its square?

- A. 1,1
- B. 6,36
- C. 8,64
- D. 10, 100
- E. 11, 144

Answer: E

Question: 13

A nurse has to record her temperatures in Celsius but her thermometer reads Fahrenheit. A patient's temperature is 100.7°F. What is the temperature in °C?

- A. 32°C
- B. 36.5°C
- C. 38.2°C
- D. 213.3°C
- E. 223.7°C

Answer: C

Question: 14

Art realized that he had 2 more quarters than he had originally thought in his pocket. If all of the change in his pocket is quarters and it totals to \$8.75, how many quarters did he originally think were in his pocket?

- A. 27
- B. 29
- C. 31
- D. 33
- E. 35

Answer: D

Question: 15

There are 12 more apples than oranges in a basket of 36 apples and oranges. How many apples are in the basket?

- A. 12
- B. 15
- C. 24
- D. 28
- E. 36

Answer: C