

Grade 6: Math

- 1) In a bowling tournament, Tim scored 187, 210, 217, 199, and 197 in the first five games. In order to qualify for the semi-final round, he must average at least 205 for the six games. What is the least he can bowl in his final game to qualify?
 - A) 196
 - B) 200
 - C) 220
 - D) 230

- 2) What is the measure of the fourth angle of a quadrilateral with angles of 111° , 115° , and 99° ?
 - A) 19°
 - B) 27°
 - C) 72°
 - D) 35°

- 3) Find the least common multiple of 15 and 10.
 - A) 50
 - B) 30
 - C) 60
 - D) 15

- 4) Find the value of $5 \times (16 - 7) = ?$
 - A) 45
 - B) 35
 - C) 40
 - D) 50

- 5) Fill the blank. 500 meters = _____ kilometers?
- A) 5
 - B) 50
 - C) 0.5
 - D) 5,000
- 6) Find the greatest common factor of 36 and 9
- A) 9
 - B) 3
 - C) 24
 - D) 18
- 7) What is the next number in the pattern? 3, 5, 7, 11, 13, _____
- A) 17
 - B) 15
 - C) 21
 - D) 19
- 8) Evaluate $1.21 = \underline{\hspace{1cm}}\%$
- A) 0.121%
 - B) 12.1%
 - C) 1.21%
 - D) 121%

- 9) Below are the results of a quiz in Mrs. Walker's classroom. What is the value of D?

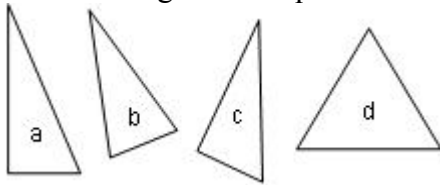
Data: 12, 23, 22, 34, 45, 43, 28, 41, 35			
Interval	Frequency	Relative Frequency	Cumulative Frequency
10-19	1	1/9	1
20-29	A	3/9	B
30-39	C	D	6
40-49	3	E	F

- A) $1/9$
B) $2/9$
C) $1/2$
D) $1/3$
- 10) How many square yards are in 1 square mile?
A) 3,981,654
B) 5,280
C) 3,520
D) 3,097,600
- 11) Amber runs 2 laps around a quarter-mile track each day. If she ran 5 days last week, how far did she run last week?
A) 3 miles
B) 2.5 miles
C) 3.5 miles
D) 4 miles
- 12) What is the circumference of a circle with a diameter of 4 cm? Use 3.14 for pi.
A) 6.28 cm
B) 12.56 cm
C) 50.24 cm
D) 26.28 cm

13) Use parentheses to write an expression for the following problem:
add 6 to the result of the double of 5 subtracted from 19.

- A) $6 \times (2 + (19 - 5))$
- B) $6 \times (2 - (19 + 5))$
- C) $6 + (2 \times (19 - 5))$
- D) $6 + (2 \times (19 + 5))$

14) Which triangle is an equilateral triangle?



- A) a
- B) b
- C) c
- D) d

15) Use parentheses to write an expression for the following problem:
add 5 to 21 and then double the result.

- A) $2 \times (21 + 5)$
- B) $3 + (5 \times 21)$
- C) $(21 + 5) - 2$
- D) $2 + (21 + 5)$

16) Evaluate $|-7| = ?$

- A) -7
- B) 49
- C) -49
- D) 7

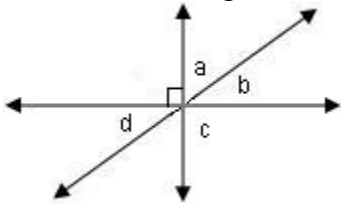
17) Find the reduced fraction form of $5/20$.

- A) $2/5$
- B) $1/5$
- C) $1/4$
- D) $1/3$

18) Tyler is playing a game that uses a standard cube numbered 1-6. If he rolled the number 3 four out of the last five times, what is the probability he will roll another 3 on his next roll?

- A) 25%
- B) 63%
- C) 40%
- D) 17%

19) If the value of angle d is 67° , what is the value of b ?



- A) 23°
- B) 67°
- C) 32°
- D) 56°

20) $32.56 \div 7.05 = ?$

- A) 4.618
- B) 4.373
- C) 4.358
- D) 4.697