1. Janis was born before Jackson but after Tina. Tina was born before Barbra but after Marvin. Who is the oldest?

   (A) Tina   (C) Jackson

   (B) Janis   (D) Marvin

2. Katalina needs $85 to buy her parents an anniversary gift. She makes $3.00 on Mondays, Wednesdays, and Fridays, $4.00 on Tuesdays and Thursdays, and doesn't work on the weekend. How long will it take her to earn enough money for the gift?

   (A) 4 weeks   (C) 3 weeks

   (B) 5 weeks   (D) 2 weeks

3. Sebastian, Heidi, Mohammed, and Liana competed in a race. Heidi finished before Liana, but after Mohammed. If Sebastian came in 1st place, what place did Mohammed come in?

   (A) 4th place   (C) 2nd place

   (B) 3rd place   (D) 1st place

4. Johnny has five dollars and he owes Damon seven dollars. If Johnny gives Damon all of his money, how much does he still owe Damon?

   (A) $2   (C) $4

   (B) $3   (D) $5

5. One rectangular swimming pool has an area of 24 square yards. Another rectangular swimming pool has an area of 90 square yards. What is the largest possible dimension common to both pools?

   (A) 3   (C) 6

   (B) 4   (D) 12

6. Michele walked 2.045 miles on Monday, 2.005 miles on Tuesday, 2.50 miles on Wednesday, and 2.450 miles on Thursday. What are her walking distances for the week in order from **greatest** to **least**?

   (A) 2.450 miles, 2.50 miles, 2.005 miles. 2.045 miles

   (B) 2.50 miles, 2.450 miles, 2.045 miles, 2.005 miles

   (C) 2.50 miles, 2.450 miles, 2.005 miles, 2.045 miles

   (D) 2.005 miles, 2.045 miles, 2.450 miles, 2.50 miles

7. At the supermarket, Vanessa bought 2.3867 lbs of apples, 3.1924 lbs of bananas, and 1.6344 lbs of grapes. How many pounds of fruit did she buy altogether, rounded to the nearest thousandth?

   (A) 7.214 lb   (C) 2.405 lb

   (B) 7.21 lb   (D) 2.40 lb

8. A caterer charges a setup fee of $75, and $20 per person. How much will the caterer charge if 25 people attend the party, and the customer has a coupon for $100 off the total?

   (A) $275   (C) $475

   (B) $400   (D) $2,275

9. Henry and Pacy were selling balloons. They made a deal in which they will split the money from the sales equally, so that they each get the same amount. Henry makes $12.25 and Pacy makes $11.75. How much will they each get?

   (A) $12.00 each   (C) $11.75 each

   (B) $12.25 each   (D) $24.00 each

10.

   For their 10 year wedding anniversary, Vinny got Fran 10 roses. Each rose has 12 petals. How many petals are there all together?

   (A) 110 petals   (C) 12 petals

   (B) 22 petals   (D) 120 petals

11.

   CAR WASH

   Saturday, May 21
   2:00pm-5:00pm

   cars-$5.00
   vans-$7.50

   At Huntington High School, the girl's softball team was having a car wash to help raise money for new uniforms. 12 vans and 53 cars were washed. How much money did they make?

   (A) $457.50   (C) $325.00

   (B) $355.00   (D) $487.50

12. Strawberries cost $1.99 per pound and blueberries cost $0.79 per pound. If you buy 2 pounds of strawberries and 3 pounds of blueberries, how much do you spend?

   (A) $4.36   (C) $6.35

   (B) $4.77   (D) $7.55

13. Lisa wants to save $\frac{1}{5}$ of her allowance every week. If she gets $25 allowance each week, how much will she have saved after 15 weeks?

   (A) $5   (C) $75

   (B) $25   (D) $375

14. Madison has a doctor's appointment at 4:15 P.M. It takes her $\frac{1}{2}$ hr to shower, $\frac{1}{4}$ hr to eat lunch, and $\frac{3}{4}$ hr to walk to the office. When should she leave her house in order to be on time for her appointment?

(A) 1:30 P.M.   (C) 2:45 P.M.
(B) 2:15 P.M.   (D) 3:45 P.M.

15. At a dinner five cakes were cut and served. Each cake was cut into five pieces and then each piece was cut into five slices. How can the number of pieces of cake be written in exponential form?

(A) 5 + 5   (C) 5^3
(B) 5^2 (D) 3^5

16. Every hour, a company makes 840 paper plates and puts them in packages of 15 plates each. How many packages are made in one hour?

(A) 56   (C) 17,857
(B) 560   (D) 126,000

17. Joshua collects stamps. He has 4,896 stamps that he wants to put in a stamp book. If each page of the stamp book can hold 24 stamps, how many pages does he need?

(A) 2,040   (C) 240
(B) 2,004   (D) 204

18. Susan is running a marathon. To practice, she wants to run 1,050 minutes over a 30-day time period. If she runs the same amount every day, how many minutes does she run each day?

(A) 35   (C) 350
(B) 305   (D) 3,005

19. Jeremy played the same video game 5 times. His scores for the 5 games were 52, 78, 65, 98, and 81. What is his average score for the game?

(A) 70.8   (C) 93.5
(B) 74.8   (D) 374

20. Which of the following road signs is a diamond?
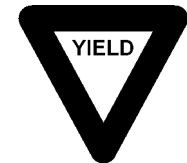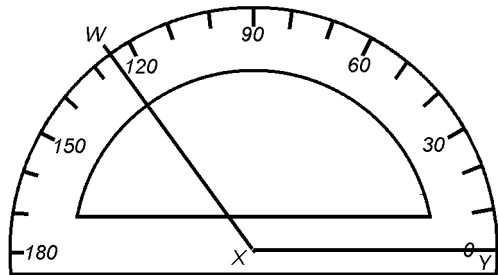
(A)

(C)

(B)

(D)

21. What is the word for any polygon with all sides and angles equal?

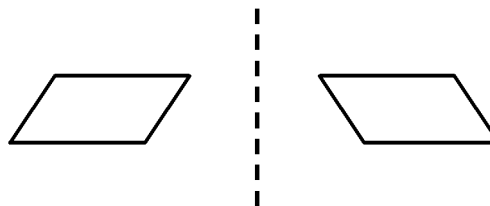(A) quadrilateral   (C) regular
(B) congruent   (D) similar
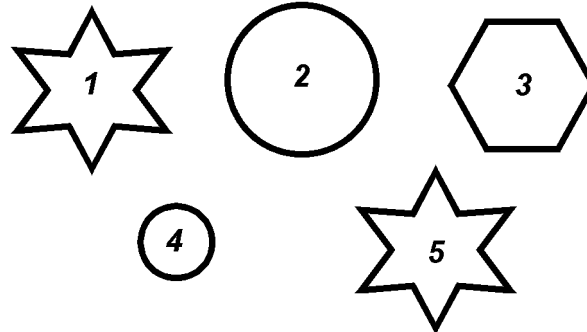
22.

What is the angle measure of ∡WXY?

(A) 55°   (C) 115°
(B) 65°   (D) 125°

23. Indicate how the figure was changed: slide, flip, or turn.

(A) slide   (C) turn
(B) flip

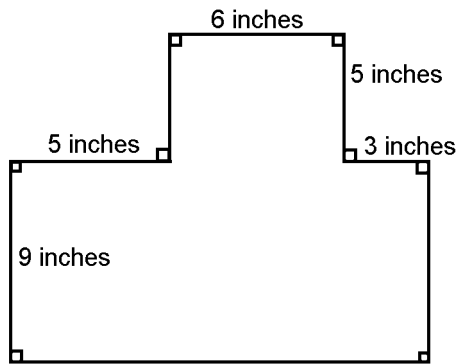24. Which two of the following figures are similar but *not* congruent?

(A) 2 and 4   (C) 3 and 4
(B) 1 and 5   (D) 2 and 3

25. Jane has a picture frame with dimensions 3 × 8 feet. However, her picture has the dimensions 2 × 4 feet. How much greater is the area of the picture frame than the area of the picture?
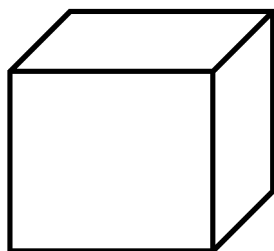
(A) Half   (C) Triple
(B) Double   (D) Quadruple

26. Jackie bought a CD for $12.00. The sales tax is 5%. How much did Jackie pay for the CD, including the sales tax?

(A) $0.60   (C) $12.60
(B) $1.60   (D) $60.00

27. What is the perimeter of the figure below?

6 inches

5 inches

5 inches

3 inches

9 inches

(A) 28 inches   (C) 45 inches
(B) 42 inches   (D) 56 inches

28. What type of three-dimensional figure is the figure below?

(A) hexagonal prism   (C) cone
(B) rectangular prism   (D) sphere

29. Jane is filling her new pool with water. It is a rectangular pool that measures 30 feet long, 12 feet wide, and 8 feet deep. The pool is half filled. How many more cubic feet of the pool does she have to fill?

(A) 25 cubic feet   (C) 1,440 cubic feet
(B) 50 cubic feet   (D) 2,880 cubic feet

30. In a package of paper, the ratio of red paper to blue paper is 2 to 3. Mrs. Smith bought 6 packages of paper for her class. If she has 60 sheets of red paper, how much blue paper does she have?

(A) 20 sheets   (C) 90 sheets
(B) 40 sheets   (D) 120 sheets

31. Mr. Stevens started a 6-week exercise program. The first week he jogged 1 mile each day, the second week he jogged $1\frac{1}{4}$ miles each day, and the third week he jogged $1\frac{1}{2}$ miles each day. If the pattern continues, how far will he jog each day of the sixth week?

(A) $1\frac{3}{4}$ mi   (C) $2\frac{1}{4}$ mi
(B) 2 mi   (D) 6 mi

32. Which of the following is an example of the multiplicative identity property ?

(A) 7 × 1 = 7   (C) 9 × 0 = 0
(B) 5 + 0 = 5   (D) 2 × 1/2 = 1

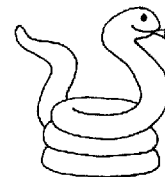33. The pictures of animals below represent the animals that are at the local zoo.
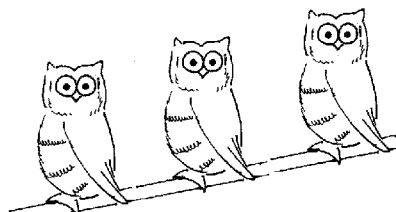
1 Zebra

2 Flamingos

1 Snake

3 owls

What is the ratio of owls to snakes?
(A) 3:1   (C) 1:1
(B) 1:3   (D) 3:2

34. A survey of 50 students was taken to find whether they preferred football or baseball. There were 18 fewer students who preferred baseball. How many students preferred football ?

(A) 16   (C) 34
(B) 32   (D) 38

35. If Lindsay does three hours of homework a night during the school week and one hour a night on the weekends, how many hours of homework does Lindsay do in 4 weeks?

(A) 8   (C) 68
(B) 60   (D) 17

36. Luc recently purchased a plot of land that is 4 miles wide and 8 miles long. What is the area of his new land?

(A) 12 square miles   (C) 32 square miles
(B) 24 square miles   (D) 36 square miles

37. Which of the following number sentences correctly displays the use of the additive identity property?

(A) 4 × 0 = 0   (C) 4 + 1 = 5
(B) 4 × 1 = 4   (D) 4 + 0 = 4

38. Which of the following is an example of the Identity Property of addition?

(A) a + b = b + a   (C) a + 0 = a
(B) a(1) = a   (D) a + (b + c) = (a + b) = c

Answer Key

1. D	31. C
2. B	32. A
3. C	33. A
4. A	34. C
5. C	35. C
6. B	36. C
7. A	37. D
8. C	38. C
9. A	
10. D	
11. B	
12. C	
13. C	
14. C	
15. C	
16. A	
17. D	
18. A	
19. B	
20. D	
21. C	
22. D	
23. B	
24. A	
25. C	
26. C	
27. D	
28. B	
29. C	
30. C	

Eduware Genealogy by Question
Displaying UNIT CHAPTER TOPIC SUBTOPIC QUESTION ID

1. MATHEMATICS GRADE 5 / I. MATHEMATICAL REASONING / A. Draw Conclusions About Mathematics / 3. Simple and Compound (and/or) Statements (*4) : 0000440
2. MATHEMATICS GRADE 5 / I. MATHEMATICAL REASONING / B. Analyze Mathematical Situations / 1. Money as Related to Fractions and Decimals (*4) : 0000081
3. MATHEMATICS GRADE 5 / I. MATHEMATICAL REASONING / C. Simple Conclusion Through Logical Reasoning / 2. Make Conclusions Based on Inductive Reasoning : 0001798
4. MATHEMATICS GRADE 5 / II. NUMBER AND NUMERATION / A. Number Relationships / 3. Negative Numbers : 0000445
5. MATHEMATICS GRADE 5 / II. NUMBER AND NUMERATION / A. Number Relationships / 4. Greatest Common Factor : 0000985
6. MATHEMATICS GRADE 5 / II. NUMBER AND NUMERATION / A. Number Relationships / 6. Compare and Order Numbers (*4) : 0001919
7. MATHEMATICS GRADE 5 / II. NUMBER AND NUMERATION / A. Number Relationships / 7. Rounding Decimals to Thousandths (*4) : 0001809
8. MATHEMATICS GRADE 5 / II. NUMBER AND NUMERATION / A. Number Relationships / 8. Order of Operations (*4) : 0000664
9. MATHEMATICS GRADE 5 / III. OPERATIONS / A. Addition / 3. Addition of Decimals with Thousandths : 0000080
10. MATHEMATICS GRADE 5 / III. OPERATIONS / C. Multiplication / 1. Multiply by 2 Digit Numbers (*4) : 0000106
11. MATHEMATICS GRADE 5 / III. OPERATIONS / C. Multiplication / 3. Multiply with Decimals : 0000094
12. MATHEMATICS GRADE 5 / III. OPERATIONS / C. Multiplication / 4. Relate Decimals to Real World Situations : 0002061
13. MATHEMATICS GRADE 5 / III. OPERATIONS / C. Multiplication / 6. Multiply with Fractions : 0002005
14. MATHEMATICS GRADE 5 / III. OPERATIONS / C. Multiplication / 8. Relate Fractions to Real World Situations : 0001394
15. MATHEMATICS GRADE 5 / III. OPERATIONS / C. Multiplication / 11. Exponents Related to Multiplication : 0000776
16. MATHEMATICS GRADE 5 / III. OPERATIONS / D. Division / 2. Divide by 2 Digit Divisors : 0000015
17. MATHEMATICS GRADE 5 / III. OPERATIONS / D. Division / 3. Zeros in the Quotient : 0001543
18. MATHEMATICS GRADE 5 / III. OPERATIONS / D. Division / 4. Zeros in the Dividend and Divisor : 0001548
19. MATHEMATICS GRADE 5 / III. OPERATIONS / D. Division / 5. Mean (Average) (*4) : 0001553
20. MATHEMATICS GRADE 5 / IV. MODELING/ MULTIPLE REPRESENTATION / A. Polygons / 1. Identify Type (*4) : 0000299
21. MATHEMATICS GRADE 5 / IV. MODELING/ MULTIPLE REPRESENTATION / A. Polygons / 2. Regular or Irregular : 0000267
22. MATHEMATICS GRADE 5 / IV. MODELING/ MULTIPLE REPRESENTATION / B. Angles / 3. Measure and Draw Using a Protractor : 0000198
23. MATHEMATICS GRADE 5 / IV. MODELING/ MULTIPLE REPRESENTATION / F. Congruence and Similarity / 1. Slide, Flip, and Turn (*4) : 0002309
24. MATHEMATICS GRADE 5 / IV. MODELING/ MULTIPLE REPRESENTATION / F. Congruence and Similarity / 4. Similar figures and congruent corresponding angles : 0000185
25. MATHEMATICS GRADE 5 / V. MEASUREMENT / E. Area Formulas / 2. Quadrilaterals : 0000258
26. MATHEMATICS GRADE 5 / VI.UNCERTAINTY / C. Percent / 3. Percent in the Real World : 0000034
27. MATHEMATICS GRADE 5 / V. MEASUREMENT / C. Perimeter / 2. Rectangles and Squares (*4) : 0000163
28. MATHEMATICS GRADE 5 / V. MEASUREMENT / F. Three Dimensional Figures / 1. Identify Type (*4) : 0002316
29. MATHEMATICS GRADE 5 / V. MEASUREMENT / G. Volume / 2. Length x Width x Height : 0000196
30. MATHEMATICS GRADE 5 / VI.UNCERTAINTY / B. Ratios and Proportions / 1. Ratios in the Real World : 0000885
31. MATHEMATICS GRADE 5 / VI.UNCERTAINTY / D. Rates / 1. Rates in the Real World : 0000903
32. MATHEMATICS GRADE 5 / III. OPERATIONS / E. Properties / 4. Identity : 0000677
33. MATHEMATICS GRADE 5 / VI.UNCERTAINTY / B. Ratios and Proportions / 1. Ratios in the Real World : 0001187
34. MATHEMATICS GRADE 5 / VII. PATTERNS AND FUNCTIONS / A. Patterns and Functions / 4. Use Patterns and Functions to Represent and Solve Problems : 0000815
35. MATHEMATICS GRADE 5 / VII. PATTERNS AND FUNCTIONS / A. Patterns and Functions / 3. Develop Methods to Solve Basic Linear Equations : 0000420
36. MATHEMATICS GRADE 5 / V. MEASUREMENT / E. Area Formulas / 2. Quadrilaterals : 0000282
37. MATHEMATICS GRADE 5 / III. OPERATIONS / E. Properties / 4. Identity : 0001127
38. MATHEMATICS GRADE 5 / III. OPERATIONS / E. Properties / 4. Identity : 0001757

Eduware Genealogy by Category

1: MATHEMATICS GRADE 5\I. MATHEMATICAL REASONING\A. Draw Conclusions About Mathematics\3. Simple and Compound (and/or) Statements - (1)

1: MATHEMATICS GRADE 5\I. MATHEMATICAL REASONING\B. Analyze Mathematical Situations\1. Money as Related to Fractions and Decim - (2)

1: MATHEMATICS GRADE 5\I. MATHEMATICAL REASONING\C. Simple Conclusion Through Logical Reaso\2. Make Conclusions Based on Inductive Rea - (3)

1: MATHEMATICS GRADE 5\II. NUMBER AND NUMERATION\A. Number Relationships\3. Negative Numbers - (4)

1: MATHEMATICS GRADE 5\II. NUMBER AND NUMERATION\A. Number Relationships\4. Greatest Common Factor - (5)

1: MATHEMATICS GRADE 5\II. NUMBER AND NUMERATION\A. Number Relationships\6. Compare and Order Numbers (*4) - (6)

1: MATHEMATICS GRADE 5\II. NUMBER AND NUMERATION\A. Number Relationships\7. Rounding Decimals to Thousandths (*4) - (7)

1: MATHEMATICS GRADE 5\II. NUMBER AND NUMERATION\A. Number Relationships\8. Order of Operations (*4) - (8)

1: MATHEMATICS GRADE 5\III. OPERATIONS\A. Addition\3. Addition of Decimals with Thousandths - (9)

1: MATHEMATICS GRADE 5\III. OPERATIONS\C. Multiplication\1. Multiply by 2 Digit Numbers (*4) - (10)

1: MATHEMATICS GRADE 5\III. OPERATIONS\C. Multiplication\11. Exponents Related to Multiplication - (15)

1: MATHEMATICS GRADE 5\III. OPERATIONS\C. Multiplication\3. Multiply with Decimals - (11)

1: MATHEMATICS GRADE 5\III. OPERATIONS\C. Multiplication\4. Relate Decimals to Real World Situation - (12)

1: MATHEMATICS GRADE 5\III. OPERATIONS\C. Multiplication\6. Multiply with Fractions - (13)

1: MATHEMATICS GRADE 5\III. OPERATIONS\C. Multiplication\8. Relate Fractions to Real World Situatio - (14)

1: MATHEMATICS GRADE 5\III. OPERATIONS\D. Division\2. Divide by 2 Digit Divisors - (16)

1: MATHEMATICS GRADE 5\III. OPERATIONS\D. Division\3. Zeros in the Quotient - (17)

1: MATHEMATICS GRADE 5\III. OPERATIONS\D. Division\4. Zeros in the Dividend and Divisor - (18)

1: MATHEMATICS GRADE 5\III. OPERATIONS\D. Division\5. Mean (Average) (*4) - (19)

3: MATHEMATICS GRADE 5\III. OPERATIONS\E. Properties\4. Identity - (32, 37, 38)

1: MATHEMATICS GRADE 5\IV. MODELING/ MULTIPLE REPRESENTATION\A. Polygons\1. Identify Type (*4) - (20)

1: MATHEMATICS GRADE 5\IV. MODELING/ MULTIPLE REPRESENTATION\A. Polygons\2. Regular or Irregular - (21)

1: MATHEMATICS GRADE 5\IV. MODELING/ MULTIPLE REPRESENTATION\B. Angles\3. Measure and Draw Using a Protractor - (22)

1: MATHEMATICS GRADE 5\IV. MODELING/ MULTIPLE REPRESENTATION\F. Congruence and Similarity\1. Slide, Flip, and Turn (*4) - (23)

1: MATHEMATICS GRADE 5\V. MEASUREMENT\C. Perimeter\2. Rectangles and Squares (*4) - (27)

2: MATHEMATICS GRADE 5\V. MEASUREMENT\E. Area Formulas\2. Quadrilaterals - (25, 36)

1: MATHEMATICS GRADE 5\V. MEASUREMENT\F. Three Dimensional Figures\1. Identify Type (*4) - (28)

1: MATHEMATICS GRADE 5\V. MEASUREMENT\G. Volume\2. Length x Width x Height - (29)

2: MATHEMATICS GRADE 5\VI.UNCERTAINTY\B. Ratios and Proportions\1. Ratios in the Real World - (30, 33)

1: MATHEMATICS GRADE 5\IV. MODELING/ MULTIPLE REPRESENTATION\F. Congruence and Similarity\4. Similar figures and congruent correspon - (24)

1: MATHEMATICS GRADE 5\VI.UNCERTAINTY\C. Percent\3. Percent in the Real World - (26)

1: MATHEMATICS GRADE 5\VI.UNCERTAINTY\D. Rates\1. Rates in the Real World - (31)

1: MATHEMATICS GRADE 5\VII. PATTERNS AND FUNCTIONS\A. Patterns and Functions\3. Develop Methods to Solve Basic Linear E - (35)

1: MATHEMATICS GRADE 5\VII. PATTERNS AND FUNCTIONS\A. Patterns and Functions\4. Use Patterns and Functions to Represent - (34)

Math Grade 5 Sample Exam

Name _____   Class _____   Date _____

1. _____   31. _____

2. _____   32. _____

3. _____   33. _____

4. _____   34. _____

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