Name _____

Presbyterian Christian School

Math

Completed 6th Grade Math

Over the summer, we hope each student will retain the skills, knowledge, and content mastered during 6th grade Math. This math packet is not mandatory but is meant to review, reinforce, and enrich the topics introduced this year. Our desire is for every student to be prepared and ready to succeed in 7th grade Math!

Students who complete this packet and turn it in by **Friday, August 14th**, *will receive 10 bonus points on their first test.*

You can continue to practice using your iXL Study Skill Plan. You may use any home computer or device to access the iXL app or scan the QR code to access the website. Your login information is the same:

Username: first initial and last name@presbyteriancs (example: pwalters@presbyteriancs)

Password: pcs and lunch code (example: pcs1234)

Name _____

CUMULATIVE REVIEW
CHAPTER 1

Choose the answer.

1. $\begin{array}{r} 337 \\ +\,954 \\ \hline \end{array}$

A. 1,283
B. 1,291
C. 623

2. $\begin{array}{r} 590{,}006 \\ -357{,}324 \\ \hline \end{array}$

A. 231,692
B. 131,782
C. 232,682

3. $164 + n = 831$

A. $n = 667$
B. $n = 995$
C. $n = 7$

4. $3.7 + 4.52 =$ ___

A. 8.22
B. 489
C. 822

5. $57 \times 8 =$ ___

A. 406
B. 456
C. 449

6. $79 \times 10 =$ ___

A. 709
B. 790
C. 7,900

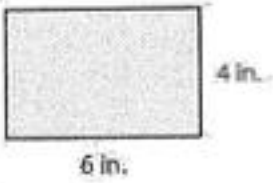
7. $8 \times n = 96$

A. $n = 44$
B. $n = 15$
C. $n = 12$

8. $37 \div 6 =$ ___

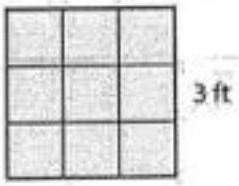
A. 21 r3
B. 5 r7
C. 6 r1

9. Find the perimeter.



A. 20 in.
B. 24 in.
C. 10 in.

10. Find the area (number of square units).



A. $6ft^2$
B. $12ft^2$
C. $9ft^2$

Choose the equation that fits the given description.

11. 43 students and 18 more students

A. $43 \times 18 = 774$

B. $43 + 18 = 61$

C. $43 - 18 = 25$

12. 27 packs of gum with 5 sticks in each pack

A. $27 \div 5 = 5$ r2

B. $27 \times 5 = 135$

C. $27 - 5 = 22$

13. 96 cookies distributed into packages of 12 cookies

A. $96 \div 12 = 8$

B. $96 \times 12 = 1{,}152$

C. $96 + 12 = 108$

14. 26 band members with 3 members out sick

A. $26 \div 3 = 8$ r2

B. $26 \div 3 = 29$

C. $26 - 3 = 23$

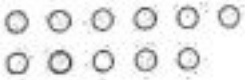
15. 7 rows of 6 chairs

A. $56 \div 8 = 7$

B. $7 - 6 = 1$

C. $7 \times 6 = 42$

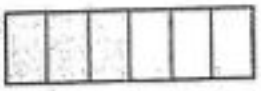
Choose the number represented by the model.

16. 

A. $\frac{8}{11}$

B. $\frac{2}{3}$

C. $\frac{1}{6}$

17. 

A. $\frac{5}{6}$

B. $\frac{3}{9}$

C. $\frac{1}{2}$

18. 

A. $\frac{3}{5}$

B. $\frac{4}{7}$

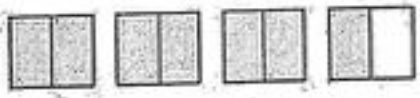
C. $\frac{3}{4}$

19. 

A. $\frac{12}{6}$

B. $2\frac{1}{2}$

C. $\frac{5}{3}$

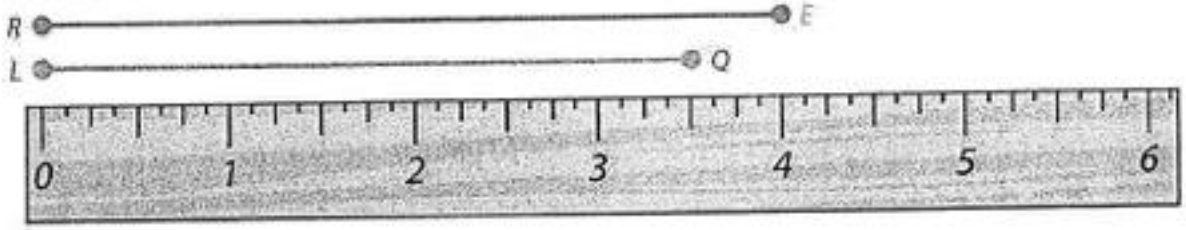
20. 

A. $\frac{7}{10}$

B. $3\frac{1}{2}$

C. $4\frac{1}{6}$

Choose the answer.



21. What is the length of $\overline{LQ}$?

A. $3\frac{1}{3}$ in.

B. $4\frac{1}{2}$ in.

C. $3\frac{1}{2}$ in.

22. What is the length of $\overline{RE}$?

A. $3\frac{3}{4}$ in.

B. 4 in.

C. 5 in.

---

23. 80,000 + 7,000 + 300 + 20 + 5 = ___

A. 87,305

B. 87,325

C. 873.5

24. 600 + 30 + 2 + 0.5 = ___

A. 632.5

B. 6,325

C. 63.25

25. 643,872 + 10,000 = ___

A. 653,872

B. 743,872

C. 643,873

Name _____

CUMULATIVE REVIEW

Choose the answer.

1. $583 + 14 = 14 + 583$
   - A. Commutative
   - B. Associative
   - C. Identity

2. $136 + 0 = 136$
   - A. Commutative
   - B. Associative
   - C. Identity

3. $(23 + 41) + 72 = 23 + (41 + 72)$
   - A. Commutative
   - B. Associative
   - C. Identity

4. $15.7 + a = a + 15.7$
   - A. Commutative
   - B. Associative
   - C. Identity

5. $a + (b + c) = (a + b) + c$
   - A. Commutative
   - B. Associative
   - C. Identity

6. What is the difference between 7,693 and 9,762?
   - A. 2,001
   - B. 2,036
   - C. 2,069
   - D. none of the above

7. What is the sum of 2,683 and 5,937?
   - A. 8,277
   - B. 8,620
   - C. 8,944
   - D. none of the above

8.
$$\begin{array}{r} 4,320 \\ 26,393 \\ 17,825 \\ +32,285 \\ \hline \end{array}$$
   - A. 79,357
   - B. 80,004
   - C. 80,823
   - D. none of the above

9. A family took $300.00 on vacation. They returned home with $72.50. How much did they spend?
   - A. $227.50
   - B. $372.50
   - C. $237.40
   - D. none of the above

10. $8.2 - n = 3.9$
   - A. 43
   - B. 4.1
   - C. 4.3
   - D. none of the above

Choose the answer.

11. $(8 \times 10{,}000) + (6 \times 1{,}000) + (4 \times 100) + (4 \times 10) + (5 \times 1)$

A. 806,445

B. 86,445

C. 864.45

12. $(8 \times 100) + (2 \times 10) + (3 \times 1) + (6 \times 0.1) + (4 \times 0.01) + (8 \times 0.001)$

A. 823.648

B. 823.68

C. 8.23

13. seven hundred fifty million, four hundred three thousand, eight hundred twelve

A. 705,403,812

B. 75,403,812

C. 750, 4 03, 812

14. point *A*

A. 6.35

B. 6.365

C. 6.4

15. point *B*

A. 6. 361

B. 6.368

C. 6.45

16.

180		
110	40	*n*

A. $n = 40$

B. $n = 55$

C. $n = 30$

17.

1,500		
n	*n*	*n*

A. $n = 50$

B. $n = 30$

C. $n = 500$

18.

n	
1,700	300

A. $n = 14$

B. $n = 2{,}000$

C. $n = 1{,}400$

19.

275	
33	*n*

A. $n = 91$

B. $n = 9$

C. $n = 242$

20.

n		
9	9	9

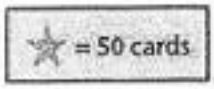
A. $n = 27$

B. $n = 3$

C. $n = 36$

Use the pictograph to find the answer.

Cards Made for Veterans	
October	
November	
December	
January	
February	
March	



21. What is the difference in the number of cards made in November and January?

A. 100

B. 50

C. 25

22. How many cards were made in February?

A. 575

B. 475

C. 525

23. In December, 350 of the cards were Christmas cards. How many December cards were not for Christmas?

A. 100

B. 200

C. 250

24. In which month were the least number of cards made?

A. January

B. October

C. November

25. How many cards were made from January through March?

A. 2,300

B. 1,150

C. 1,125

Name _____

CUMULATIVE REVIEW

Choose the answer.

1. $7{,}000 \times 6 =$ ___
   - A. 42,000
   - B. 46,000
   - C. 48,000
   - D. none of the above

2. $11 \times 4 \times 15 =$ ___
   - A. 460
   - B. 660
   - C. 860
   - D. none of the above

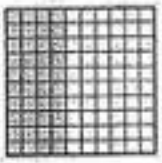
3. $6 \times 6 \times 6 \times 6 =$ ___
   - A. 6^6
   - B. 6^3
   - C. 6^4
   - D. none of the above

4. The greatest common factor of 15 and 36 is ___
   - A. 2
   - B. 3
   - C. 64
   - D. 5

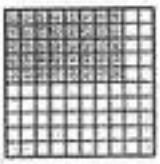
5. The least common multiple of 18 and 45 is ___
   - A. 90
   - B. 3
   - C. 870
   - D. 9

Choose the matching expression.

6. 7^3 ___
   - A. $3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3$
   - B. 7×3
   - C. $7 \times 7 \times 7$

7. 
   - A. 10^4
   - B. 10×4
   - C. $5 \times 3 \times 4$

8. 
   - A. $3 \times 3 = 9$
   - B. $5 \times 3 = 15$
   - C. $3 \times 5 = 15$

9. 
   - A. $40 \div 4$
   - B. 10^4
   - C. $40 \div 5$

10.

40			
10	10	10	10

   - A. $40 \div 4$
   - B. 40×4
   - C. 10×40

Choose the answer.

11. The value of 3 in 92.473 is .

A. 0.00003

B. $\frac{3}{100,000}$

C. 3 thousandths

D. none of the above

12. sixty-two and seven thousand, one hundred forty-five ten thousandths

A. 6.2718

B. 627.145

C. 62.7145

D. none of the above

13. 423,294 __ 423,294

A. >

B. <

C. =

14. 81,474 __ 81,431

A. >

B. <

C. =

15. Which numbers are listed from least to greatest?

A. 9.8457 8,241 78,463 19,436

B. 19,436 78,463 8,241 9.8457

C. 9.8457 8,241 19,436 78,463

16. $\frac{2}{5}$ =

A. 0.40

B. 0.25

C. 1.25

17. $97.36 ÷ 4 =

A. $2.07

B. $21.17

C. $24.34

18. 64 ÷ (6 + 2) + 3 =

A. 6

B. 8

C. 11

Josh has 375 toy soldiers.

19. If Josh puts the toy soldiers into 25 platoons, how many soldiers will be in each platoon?

A. 6

B. 15

C. 75

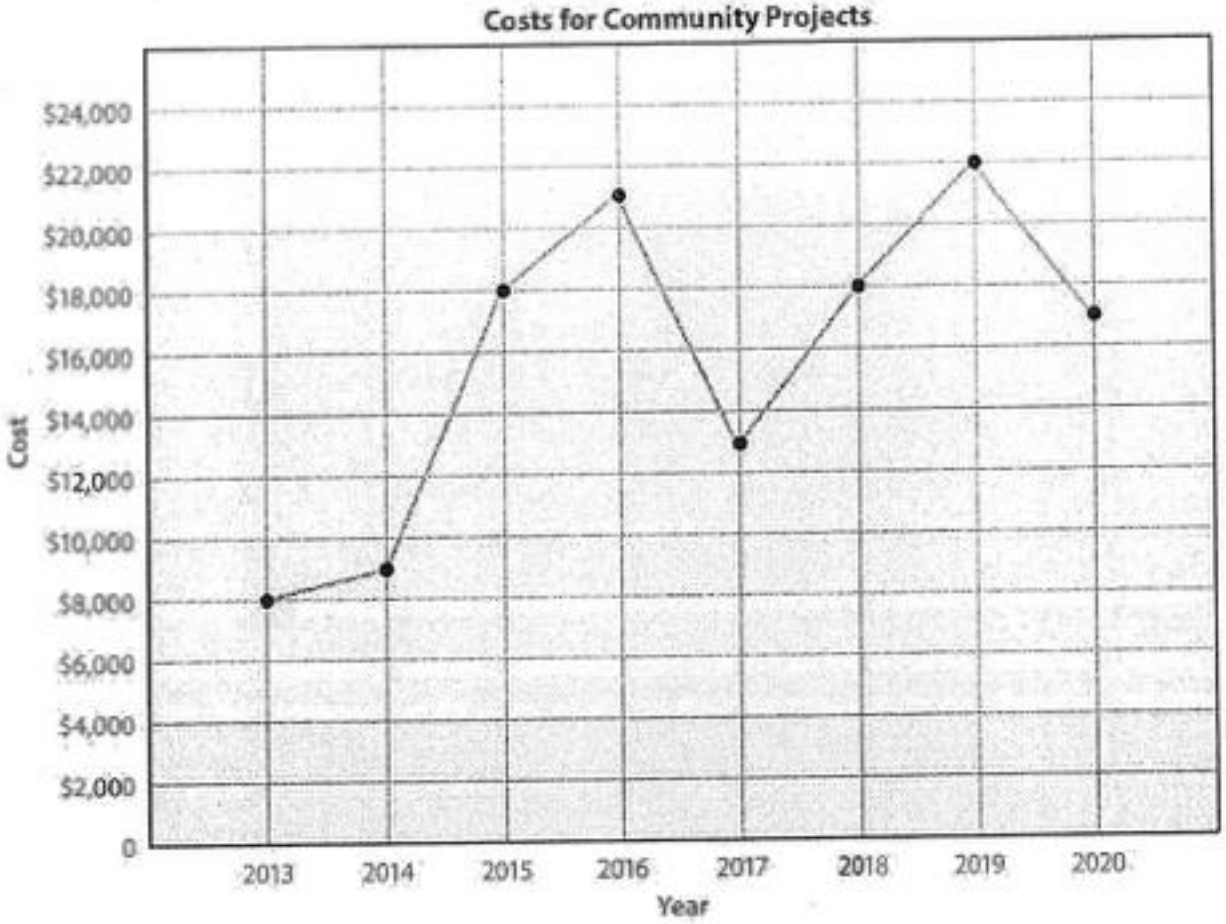
20. If Josh puts the toy soldiers into squads of 5, how many squads will be made?

A. 79

B. 75

C. 750

Use the line graph to find the answer.



21. How many years of project costs are recorded?

A. 8

B. 11

C. 7

22. What was the project cost for 2017?

A. $11,000

B. $14,000

C. $13,000

23. What is the range of the costs of the projects?

A. $12,000

B. $14,000

C. $30,000

24. Choose the statement that is true about the project costs from 2017–2020.

A. a two-year increase and a two-year decrease

B. a three-year decrease

C. a two-year increase and a one-year decrease

25. What is the average project cost for 2015 and 2016?

A. $19,200

B. $18,200

C. $19,500

Name _____

CUMULATIVE REVIEW

Choose the answer.

1.

28			
7	7	7	7

A. $4 + 7$

B. 4×7

C. $4 + 4 + 4 + 4$

D. A and B

2.

30					
5	5	5	5	5	5

A. 6×5

B. $6(5)$

C. $5 + 5 + 5 + 5 + 5 + 5$

D. all of the above

3. 

A. $9 \cdot 27$

B. $27 \div 3$

C. 9×3

D. B and C

4. 4 dozen eggs

A. $12 \div 4$

B. 4×12

C. 3×4

D. A and C

5. 10^2

A. 10×2

B. 10×10

C. 100

D. B and C

6. $3^1 \times 7$

A. $2 \times 3 \times 7$

B. $3 \times 3 \times 7$

C. 6×7

D. A and C

7. 3.94

A. $\left(3 \times 10^0\right) + \left(9 \times \frac{1}{10^1}\right) + \left(4 \times \frac{1}{10^2}\right)$

B. $\left(3 \times 10\right) + \left(9 \times \frac{1}{10}\right) + \left(4 \times \frac{1}{10}\right)$

C. $(3 \times 10) + (9 \times 10) + (4 \times 100)$

D. all of the above

8. all factors of 36

A. 2, 4, 6, 8, 10, 12

B. $36 \div 12$

C. 1, 2, 3, 4, 6, 9, 12, 18, 36

D. A and C

9. $(3 \times 4) \times 2$

A. 24

B. $3 \times (4 \times 2)$

C. $(2 \times 4) \times 3$

D. all of the above

10. Identity Property

A. $57 \times 0 = 0$

B. $1 \times 38 = 38$

C. $a \cdot 1 = a$

D. B and C

Choose the answer.

11. Which number is not composite?

A. 21

B. 23

C. 25

12. The value of 9 is ninety thousand.

A. 9,348

B. 904,237

C. 295,317

13. Find the quotient of 844 ÷ 2.

A. 420

B. 422

C. 424

14. Which numbers are listed from least to greatest?

A. 1,672 1,673 1,671 1,674

B. 1.31 1.47 1.5 1.52

C. 0.15 0.7 0.29 0.008

15. Which Roman numeral is 29?

A. XXIX

B. XXVIIII

C. XXXI

16. Jayden bought 7 tickets at $4.95 each. About how much money did he spend?

A. $40

B. $35

C. $30

17. Mrs. Owens made 4 dozen cookies. About how many cookies could each person eat at a reception for 20 people?

A. 1 cookie

B. 2 cookies

C. 3 cookies

18. Audrey's cookie recipe calls for 3 eggs. How many batches of cookies can she make with 1 dozen eggs?

A. 4 batches

B. 3 batches

C. 2 batches

19. Find the average of Mia's science test scores: 95, 89, 90, 86.

A. 100

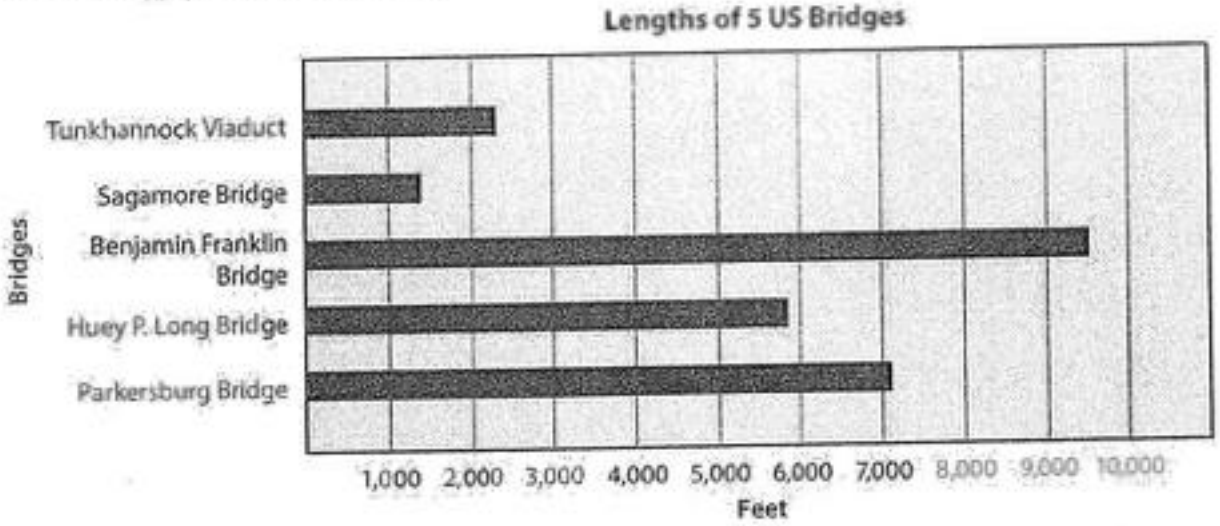
B. 95

C. 90

Name _____

CUMULATIVE REVIEW

Use the bar graph to find the answer.



1. The approximate difference in length of the Tunkhannock Viaduct and the Benjamin Franklin Bridge is ___.

   A. 9,000 ft
   B. 7,000 ft
   C. 12,000 ft

2. The approximate length of the Sagamore Bridge is ___.

   A. 1,750 ft
   B. 1,100 ft
   C. 1,500 ft

3. The approximate sum of the lengths of the Parkersburg Bridge and the Huey P. Long Bridge is ___.

   A. 13,000 ft
   B. 1,000 ft
   C. 14,500 ft

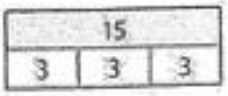
4. The approximate sum of the lengths of all five bridges is ___.

   A. 37,000 ft
   B. 26,500 ft
   C. 22,000 ft

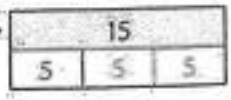
Tunkhannock Viaduct

Choose the correct part-whole model.

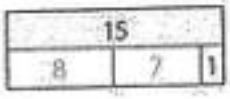
5. A.



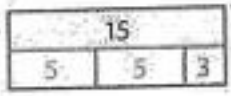
B.



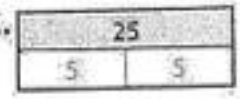
C.



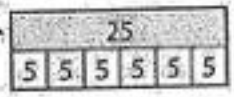
D.



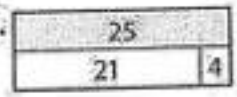
6. A.



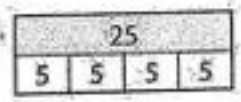
B.



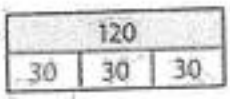
C.



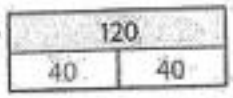
D.



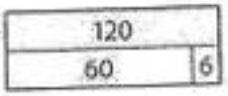
7. A.



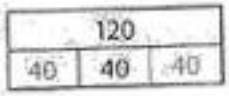
B.



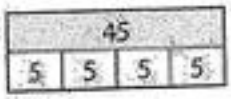
C.



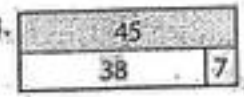
D.



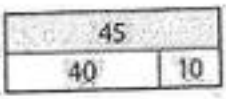
8. A.



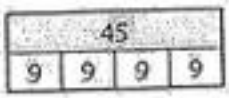
B.



C.



D.



Choose the property that is illustrated.

9. $(\frac{3}{4}+\frac{1}{3})+\frac{2}{3}=\frac{3}{4}+(\frac{1}{3}+\frac{2}{3})$

A. Associative Property
B. Commutative Property
C. Identity Property

10. $149.9+13.03=13.03+149.9$

A. Associative Property
B. Commutative Property
C. Identity Property

11. $49\times270=(40\times270)+(9\times270)$

A. Identity Property
B. Distributive Property
C. Commutative Property

12. $20\times17\times10=(20\times10)\times17$

A. Identity Property
B. Distributive Property
C. Associative Property

Choose the matching expression.

13. 10 packages of 50 marshmallows added to 25 marshmallows

A. $(10+50)+25$
B. $25+(10\times50)$
C. $(10+50)\times25$
D. $10\times(50+25)$

14. a deck extended $2\frac{1}{2}$ ft

A. $d+2\frac{1}{2}$ ft
B. $d-2\frac{1}{2}$ ft
C. $d\times2\frac{1}{2}$ ft
D. $d+2\frac{1}{2}$ ft

15. 17 team shirts cost \$159 plus \$13.70 for shipping.

A. $(\$159\div17)+\$13.70$
B. $(\$159-\$13.70)\div17$
C. $(\$159+\$13.70)\times17$
D. $(\$159+\$13.70)\div17$

Choose the matching expression.

16. 18 books placed on 3 shelves

A. $18 \div 9$

B. 3×18

C. $18 \div 3$

17. 16 groups of 12 volunteers

A. $12 \div 16$

B. 16×12

C. $12 \div 16$

18. 24 blueberry bagels on a plate with 12 plain bagels

A. $24 + 12$

B. $24 - 10$

C. $24 \div 12$

19. 14 stickers removed from a sheet of 24

A. $38 - 24$

B. $24 - 14$

C. $14 \div 24$

Choose the answer.

20. Which number is a multiple of 10?

A. 5,281

B. 1,290

C. 5

D. all of the above

21. Which number is a multiple of 8?

A. 96

B. 56

C. 64

D. all of the above

22. Which number is a prime number?

A. 27

B. 36

C. 43

D. all of the above

23. Which number is a composite number?

A. 72

B. 41

C. 53

D. all of the above

24. $2\frac{3}{11} = \_\_$

A. $\frac{25}{11}$

B. $\frac{22}{11}$

C. $\frac{6}{11}$

D. none of the above

25. $\frac{27}{3} = \_\_$

A. $\frac{9}{3}$

B. $1\frac{1}{3}$

C. 9

D. none of the above

Name _____

CUMULATIVE REVIEW

Choose the answer.

1. $\frac{3}{4}$ ___ $\frac{13}{16}$

   A. >
   B. <
   C. =

2. $\frac{15}{49}$ ___ $\frac{4}{16}$

   A. >
   B. <
   C. =

3. $\frac{7}{8}$ ___ $\frac{5}{15}$

   A. >
   B. <
   C. =

4. $\frac{3}{10}$ ___ $\frac{10}{35}$

   A. >
   B. <
   C. =

5. $10 \times 34.21 =$ ___

   A. 3,421
   B. 34.21
   C. 342.1

6. $16.2 \div 1{,}000 =$ ___

   A. 16,200
   B. 0.162
   C. 0.0162

7. $865.3 \div 10 =$

   A. 86.53
   B. 8.653
   C. 0.8653

8. $29.64 \times 1{,}000 =$

   A. 0.02964
   B. 29,640
   C. 2,964,000

9. The Smiths took $3\frac{1}{2}$ lb of hamburgers to the barbecue. They had $1\frac{1}{4}$ lb left over. How many pounds of hamburgers were eaten?

   A. $2\frac{1}{2}$ lb
   B. 2 lb
   C. $2\frac{1}{4}$ lb
   D. none of the above

10. Paige practiced piano for $\frac{1}{2}$ hr each day for a total of 2 hr. How many days did she practice?

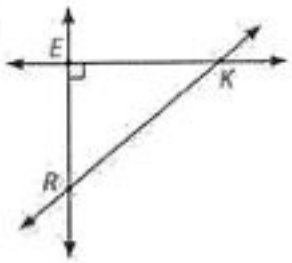
    A. 5 days
    B. $4\frac{1}{2}$ days
    C. 3 days
    D. none of the above

11. $\frac{8}{9} - \frac{1}{18} =$ ___

    A. $\frac{12}{18}$
    B. $\frac{7}{18}$
    C. $\frac{5}{8}$
    D. none of the above

Choose the answer.

12.



$\angle EKR$ is ___.

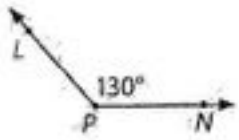
A. acute

B. obtuse

C. right

D. straight

13. $\angle LPN$ is ___.



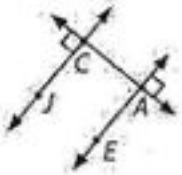
A. acute

B. obtuse

C. right

D. straight

14. $\overleftrightarrow{JC}$ and $\overleftrightarrow{EA}$ are ___ lines.

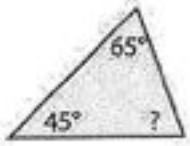


A. intersecting

B. parallel

C. perpendicular

15. The measure of the unknown angle is ___.



A. 55°

B. 70°

C. 250°

16. $27 \times 36 =$ ___

A. 652

B. 1,972

C. 972

D. none of the above

17. Which number is a prime number?

A. 26

B. 17

C. 33

D. none of the above

18. Which factor is common to 42 and 56?

A. 3

B. 7

C. 6

D. none of the above

19. $3{,}200 - n = 2{,}700$

A. $n = 420$

B. $n = 50$

C. $n = 500$

D. none of the above

20. $14.6 + 26.4 + 40 =$ ___

A. 81.4

B. 81

C. 210

D. none of the above

21. 4 ___ 18

A. >

B. <

C. =

Use the table to find the answer.

Jona's Math Test Grades	
Test	Grade
1	78
2	80
3	94
4	79
5	93
6	89

22. On which three tests did Jona receive the lowest grades?

A. test 1, test 2, test 6

B. test 1, test 2, test 4

C. none of the above

23. What is Jona's average grade for tests 1–3?

A. 84

B. 85

C. none of the above

24. What is the difference between Jona's lowest and highest test grades?

A. 15

B. 16

C. none of the above

25. How many math tests did Jona take?

A. 6

B. 3

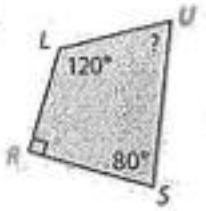
C. none of the above

Name _____

CUMULATIVE REVIEW

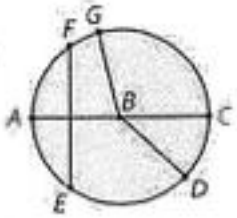
Choose the answer.

1.



$\angle LUS = $ ___

A. 20°
B. 60°
C. 70°
D. none of the above

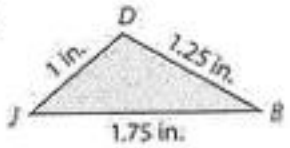


2. $\overline{BG}$ is a ___.
   A. radius
   B. diameter
   C. chord

3. $\overline{FE}$ is a ___.
   A. radius
   B. diameter
   C. chord

4. The diameter of circle B is ___.
   A. $\overline{FE}$
   B. $\overline{AC}$
   C. $\overline{BD}$

5.

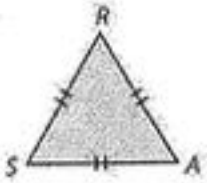


$\triangle JDB$ is a(n) ___ triangle.
   A. scalene
   B. equilateral
   C. isosceles

6.

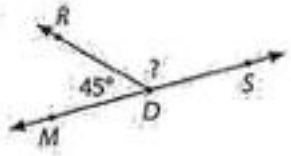
$\triangle EAC$ is a(n) ___ triangle.
   A. scalene
   B. equilateral
   C. isosceles

7.



$\triangle SRA$ is a(n) ___ triangle.
   A. scalene
   B. equilateral
   C. isosceles

8.



$\angle RDS = $ ___
   A. 315°
   B. 135°
   C. 45°
   D. none of the above

Choose the answer.

9. Sunflower seeds cost $3.69 per pound. How much do 2 lb of seeds cost?

   A. $7.38

   B. $1.85

   C. $11.07

10. Micah paid $7.12 for 8 lb of jellybeans. What is the price of the jellybeans per pound?

   A. $0.65

   B. $56.96

   C. $0.89

11. $2\frac{2}{3} + 7\frac{2}{5} =$ ___

   A. $9\frac{4}{5}$

   B. $10\frac{1}{15}$

   C. $10\frac{1}{6}$

12. $8\frac{2}{9} - 1\frac{5}{6} =$ ___

   A. $6\frac{7}{18}$

   B. $6\frac{11}{18}$

   C. $6\frac{1}{3}$

13. $1\frac{2}{12} + 1\frac{4}{7} =$ ___

   A. $3\frac{1}{2}$

   B. $2\frac{31}{42}$

   C. $2\frac{18}{84}$

1,865.709

14. number of hundredths

   A. 0

   B. 9

   C. 8

15. number of one thousands

   A. 9

   B. 1

   C. 5

16. value of the tenths place

   A. 60

   B. 0.7

   C. 0.07

17. value of the hundreds place

   A. 0.009

   B. 800

   C. 1,800

18. $\frac{2}{3} \times \frac{3}{4} =$ ___

   A. $\frac{1}{2}$

   B. $1\frac{5}{12}$

   C. $\frac{7}{12}$

   D. none of the above

19. $8.2 \times 0.03 =$ ___

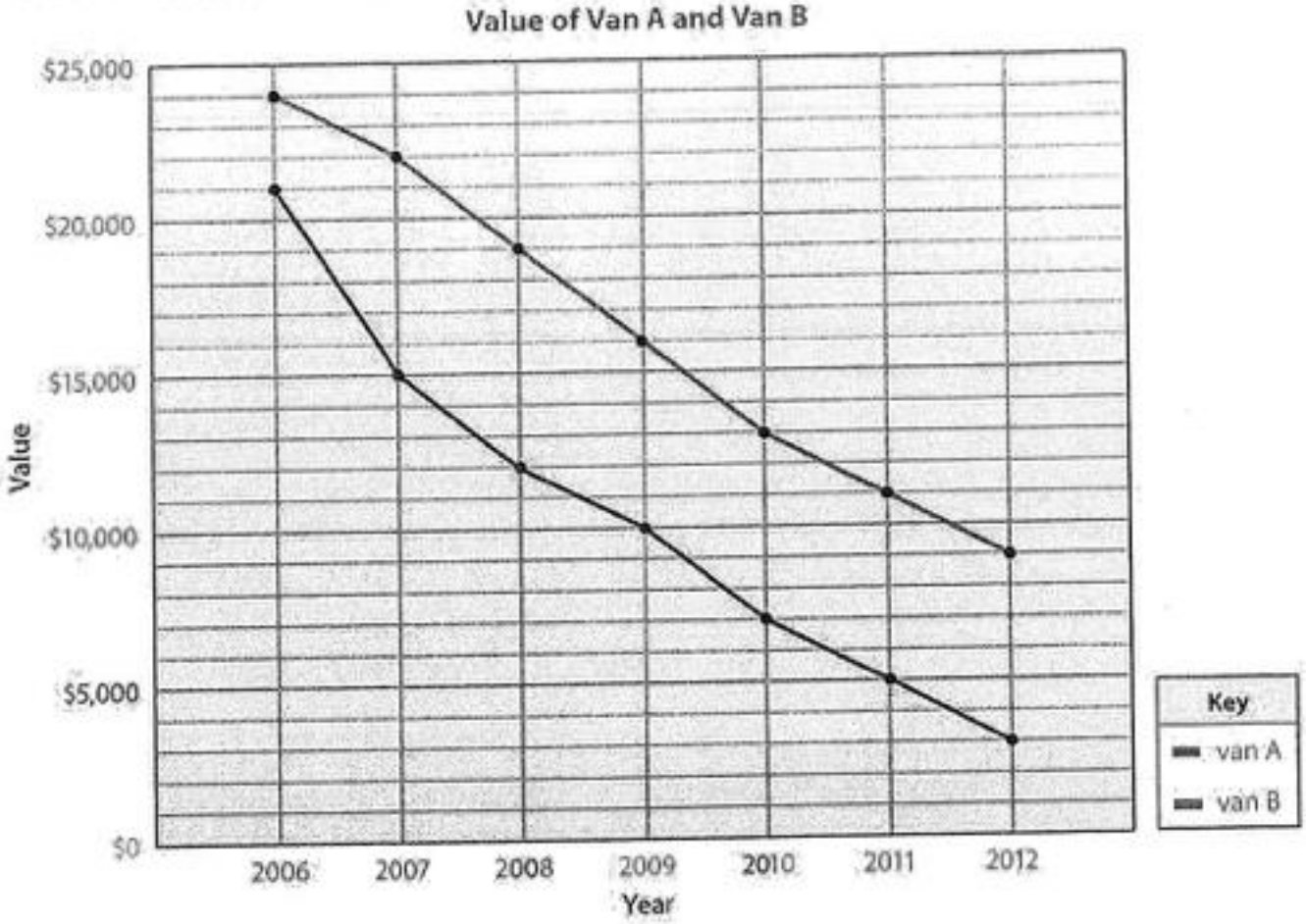
   A. 0.246

   B. 2.46

   C. 0.0246

   D. none of the above

Use the line graph to find the answer.



20. Which van would be cheaper to purchase?

A. van A

B. van B

21. By how much did the value of van B decrease between 2006 and 2007?

A. $6,000

B. $3,000

C. $2,000

22. What is the difference between the values of the two vans in 2006?

A. $3,000

B. $5,000

C. $4,000

23. What is the difference between the values of the two vans in 2012?

A. $6,000

B. $3,000

C. $12,000

24. What is the value of van A in 2010?

A. $7,000

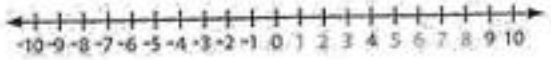
B. $5,000

C. $13,000

Name _____

CUMULATIVE REVIEW

Use the number line to find the answer.



1. $-5 + 2 =$ ___
   - A. -1
   - B. -2
   - C. -3

2. $-4 + -1 =$ ___
   - A. 0
   - B. -5
   - C. 5

3. $8 + -7 =$ ___
   - A. 1
   - B. -1
   - C. 15

4. $-3 + 4 =$ ___
   - A. 0
   - B. 1
   - C. 2

5. $5 + -5 =$ ___
   - A. 10
   - B. 1
   - C. 0

Complete the sequence.

6. 2, 4, 6, ___
   - A. 12
   - B. 10
   - C. 8

7. 3, 9, 27, 81, ___
   - A. 243
   - B. 162
   - C. 84

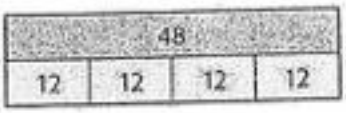
8. -5, -3, -1, 1, ___
   - A. 5
   - B. 3
   - C. 1

9. $\frac{1}{2}$, 1, $1\frac{1}{2}$, ___
   - A. $\frac{3}{4}$
   - B. $2\frac{1}{2}$
   - C. 2

10. 0.25, 0.50, 0.75, ___
    - A. 100
    - B. 10
    - C. 1

Choose the answer.

11.



A. $48 - 12$

B. 4×12

C. $4 + 12$

12. 6^3

A. $6 \cdot 6 \cdot 6$

B. 6×3

C. $3 \cdot 6$

13. $\frac{1}{5} = \_\_$

A. 5×1

B. $1 \div 5$

C. $5 \div 1$

14. $\frac{3}{8} = \frac{n}{24}$

A. $n = 6$

B. $n = 9$

C. $n = 12$

15. $\frac{5}{2} = \_\_$

A. $5\frac{1}{2}$

B. $2\frac{1}{2}$

C. $1\frac{1}{2}$

16. $7 + 8 \times 3$

A. 29

B. 30

C. 31

17. $2 \times 3 + 16 \div 4$

A. 5

B. 10

C. 15

18. $4 + 6 \times (3 + 2)$

A. 34

B. 36

C. 38

19. $9 \times 4 \div 2^2$

A. 52

B. 42

C. 32

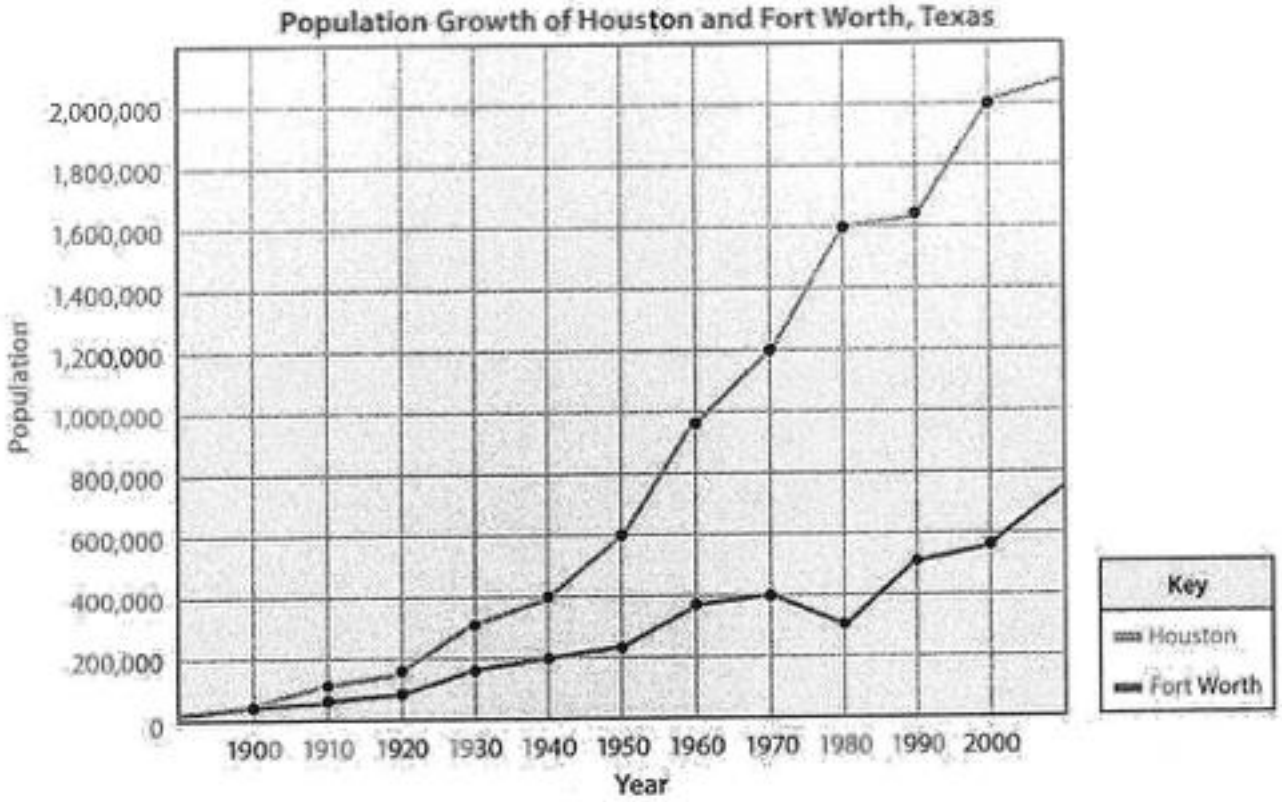
20. $27 - 4 \times 3 + 6$

A. 25

B. 20

C. 15

Use the line graph to find the answer.



21. What was Houston's population in 1950?

- **A.** 500,000
- **B.** 600,000
- **C.** 700,000

22. How much greater was the population of Houston than that of Fort Worth in 1970?

- **A.** 400,000
- **B.** 600,000
- **C.** 800,000

23. Which city's population decreased from 1970 to 1980?

- **A.** Houston
- **B.** Fort Worth
- **C.** both cities

24. Which city grew at a faster rate?

- **A.** Houston
- **B.** Fort Worth
- **C.** The rate of growth for both cities was the same.

25. The lines for Houston and Fort Worth show which of the following?

- **A.** a decline in population
- **B.** no change in population
- **C.** a steady growth in population

Name _____

CUMULATIVE REVIEW

Choose the answer.

1. The holiday candy bars are specially priced: 4 for $1.00. How many can Brooklyn buy if she has $17.25?

   A. 57 C. 85

   B. 69 D. 100

2. A flat of 10 tomato plants costs $5.50. Individual plants cost $0.75. How much would it cost to purchase 35 plants?

   A. $9.25 C. $13.25

   B. $11.00 D. $20.25

3. Mr. Hudson needs 190 $\frac{1}{2}$ ft of fencing to put around the perimeter of his square garden. What is the measure of each side of his garden?

   A. 47 $\frac{1}{2}$ ft C. 48 $\frac{3}{8}$ ft

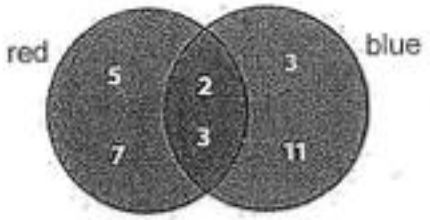
   B. 47 $\frac{5}{8}$ ft D. 49 $\frac{1}{4}$ ft

4. The mountain rescue team responded to 6 calls in April. They responded to 3 $\frac{1}{2}$ times as many calls in July. How many calls did the team respond to in July?

   A. 21 C. 36

   B. 25 D. 42

Use the Venn diagram to find the answer.



5. What product is represented by the factors in the blue circle?

   A. 33 C. 280

   B. 198 D. 330

6. What product is represented by the factors in the red circle?

   A. 35 C. 297

   B. 210 D. 310

7. What is the greatest common factor of the two products found in problems 5–6?

   A. 6 C. 14

   B. 12 D. 35

8. What statement is true of the numbers in the red and blue circles?

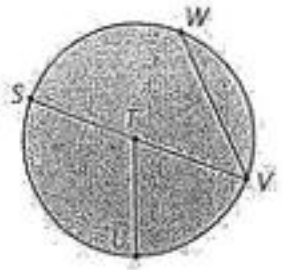
   A. They are prime numbers.

   B. They are multiples of the number they represent.

   C. They have a product of 35.

   D. The product of the factors is a prime number.

Use the circle to find the answer.



9. Name the diameter.

A. $\overline{WV}$
C. $\overline{SV}$
B. $\overline{TU}$
D. $\overline{TV}$

10. If $\overline{TU} = 8$ cm, then ___.

A. $\overline{WV} = 8$ cm
C. $\overline{TV} = 16$ cm
B. $\overline{TS} = 16$ cm
D. $\overline{SV} = 16$ cm

11. $\angle UTV$

A. acute angle
C. straight angle
B. obtuse angle
D. complementary angles

12. Which angle measures 180°?

A. $\angle STU$
C. $\angle SVW$
B. $\angle STV$
D. $\angle UTV$

13. What is $\overline{WV}$?

A. chord
C. diameter
B. radius
D. supplementary angles

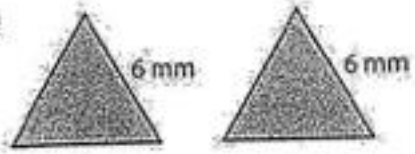
Use the figure(s) to find the answer.

14.

The perimeter of the square is ___.

A. 12.6 mm
C. 37.8 mm
B. 25.2 mm
D. 50.4 mm

15.

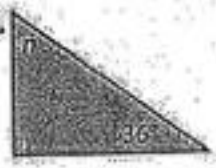


A. similar
C. scalene
B. congruent
D. obtuse

16.

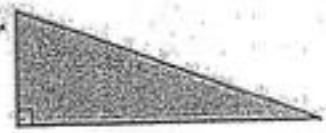
A. similar
C. octagon
B. congruent
D. parallel

17.



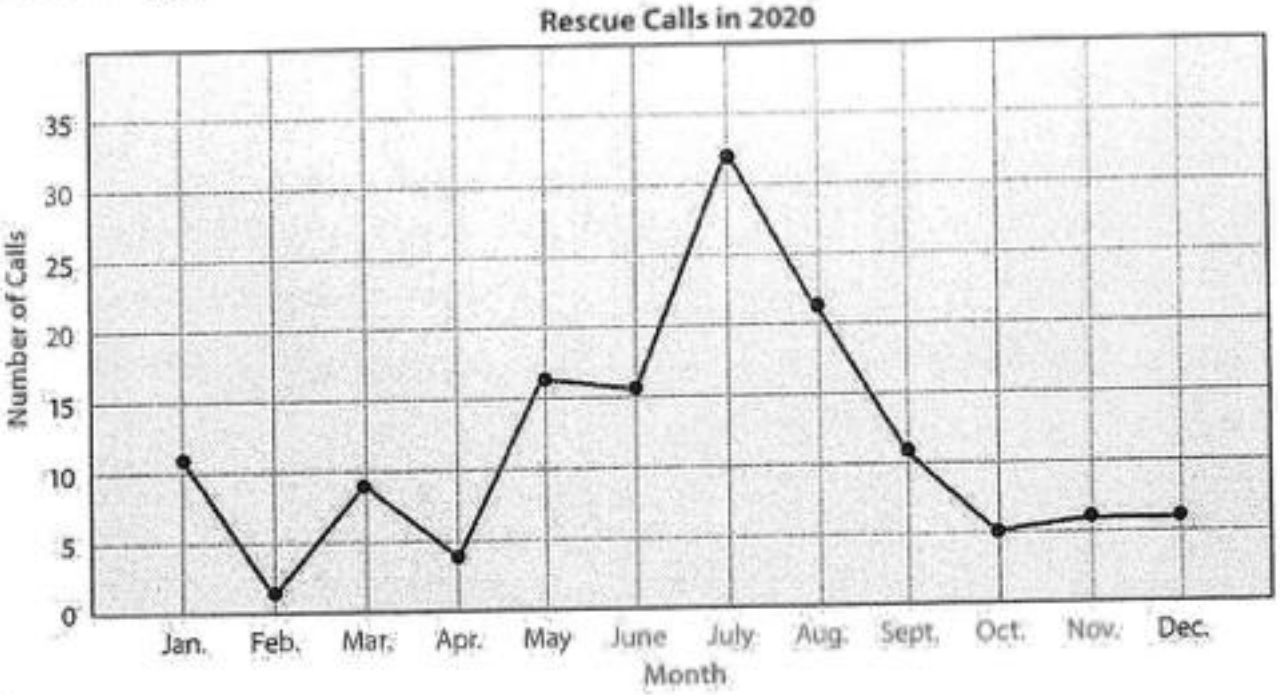
A. $n = 30°$
C. $n = 50°$
B. $n = 45°$
D. $n = 54°$

18.



A. right triangle
C. acute triangle
B. obtuse triangle
D. equilateral triangle

Use the line graph to find the answer.



19. Which month had the fewest calls?

A. February

B. April

C. October

20. Which statement is true of the months of July to October?

A. The number of calls increased.

B. The number of calls decreased.

C. The number of calls was about the same.

21. How many calls were made in November and December?

A. 5

B. 12

C. 20

22. Where is the greatest increase of calls shown?

A. from April to May

B. from June to July

C. from July to August

23. Which two months together had about the same number of calls as the month of July?

A. November and December

B. February and August

C. May and June

24. Estimate the number of calls for the year.

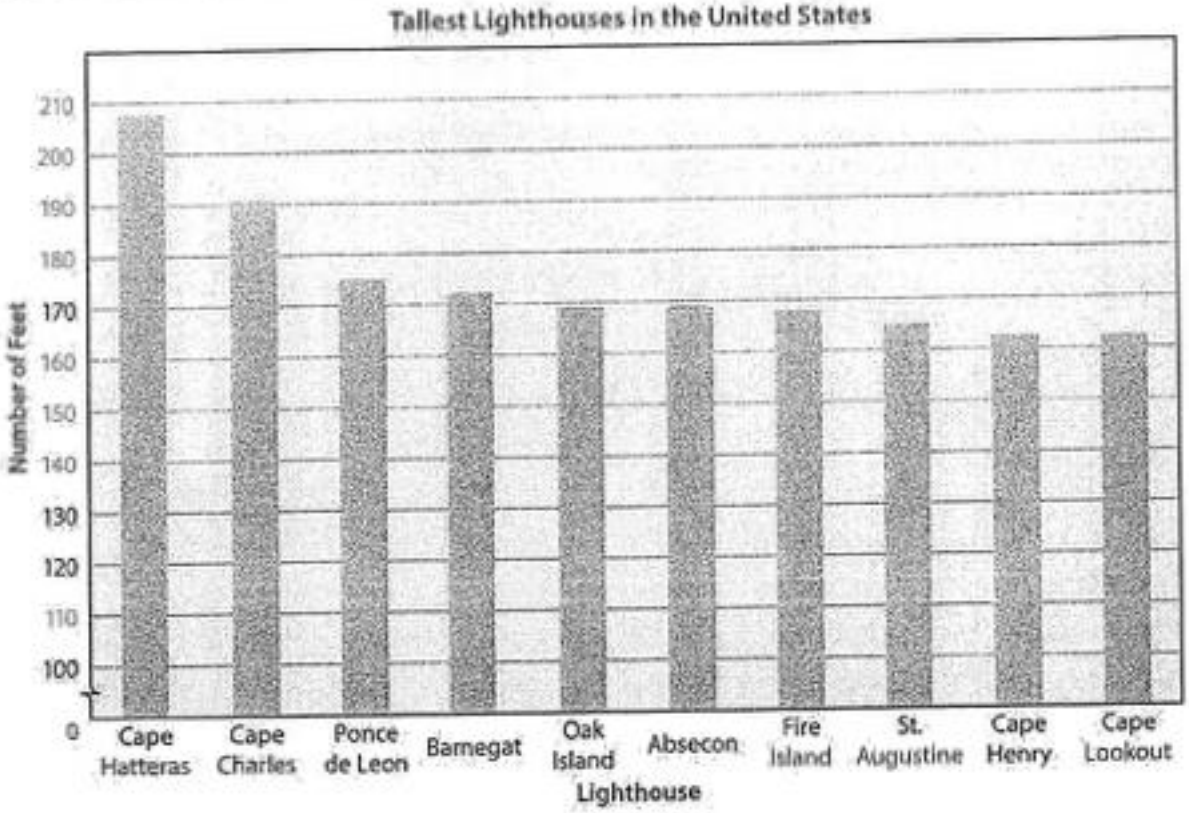
A. greater than 200, but less than 300

B. less than 100, but greater than 50

C. greater than 100, but less than 200

Name _____

CUMULATIVE REVIEW



Use the bar graph to find the answer.

1. This bar graph displays which of the following?
   - A. the amount of material used to construct each lighthouse
   - B. the height of 10 lighthouses
   - C. the number of tourists that visit lighthouses
   - D. the number of ships saved by each lighthouse

2. Estimate the difference in height between the tallest and shortest lighthouses on the graph.
   - A. 10 ft
   - B. 20 ft
   - C. 30 ft
   - D. 40 ft

3. Which expression shows the height of the Ponce de Leon lighthouse?
   - A. 1.75×10^1 ft
   - B. 1.75×10^2 ft
   - C. 17×10^2 ft
   - D. 1.7×10^3 ft

4. According to the graph, which of the following is true about Cape Henry?
   - A. It is approximately 180 ft tall.
   - B. It is taller than the Oak Island lighthouse.
   - C. It is the same height as the Cape Lookout lighthouse.
   - D. It is the tallest lighthouse in the United States.

5. About how much taller is Barnegat than Absecon?
   - A. less than 10 ft
   - B. about 10 ft
   - C. more than 20 ft
   - D. about 20 ft

6. Which lighthouse measures 165 ft tall?
   - A. Barnegat
   - B. Ponce de Leon
   - C. Cape Charles
   - D. St. Augustine

Choose the answer.

7. The Cape Henry lighthouse tower has an octagonal shape. How many sides does the lighthouse have?

   A. 4 C. 6

   B. 5 D. 8

8. What specific name is given to a quadrilateral with 4 congruent sides and 4 right angles?

   A. rhombus C. square

   B. rectangle D. parallelogram

9. 

   What is the perimeter of the figure?

   A. 44.1 ft C. 100.3 ft

   B. 88.2 ft D. 122.4 ft

10. What shapes are created when a diagonal line is drawn in a rectangle?

    A. congruent equilateral triangles

    B. congruent right triangles

    C. congruent squares

    D. similar rectangles

11. Three pizzas were ordered for family night. Each pizza had 8 slices. Three-fourths of the pizza was eaten. How many slices of pizza were left?

    A. 6 C. 10

    B. 8 D. 12

12. Which statement is true?

    A. $1\frac{1}{2} = \frac{3}{4} + \frac{3}{4}$ C. $1\frac{1}{2} = \frac{3}{4} \times \frac{3}{4}$

    B. $1\frac{1}{2} = \frac{3}{4} - \frac{3}{4}$ D. $1\frac{1}{2} = \frac{3}{4} \div \frac{3}{4}$

13. $7 \times n = 469$

    A. $n = 64$ C. $n = 66$

    B. $n = 65$ D. $n = 67$

14. $7\overline{)64}$

    A. $8\frac{6}{7}$ C. $9\frac{5}{7}$

    B. $9\frac{1}{7}$ D. $10\frac{1}{7}$

Choose the answer.

15. $3\frac{7}{8} + 4\frac{2}{3}$

A. $7\frac{9}{11}$ C. $8\frac{13}{24}$

B. $8\frac{1}{8}$ D. 9

16. $\frac{3}{9} \times \_\_ = 1$

A. $\frac{3}{9}$ C. $\frac{9}{3}$

B. $\frac{3}{3}$ D. $\frac{9}{9}$

17. $\frac{1}{3} \div \frac{1}{2}$

A. $\frac{2}{3}$ C. $1\frac{1}{2}$

B. $\frac{1}{6}$ D. 2

18. 1.63×100

A. 0.0163 C. 16.3

B. 0.163 D. 163

19. $1.5\overline{)4.05}$

A. 0.27 C. 27

B. 2.7 D. 270

20. $3^2 + 2^3$

A. 12 C. 36

B. 17 D. 72

21. $3 + 7 \times 4 - 8$

A. 23 C. 45

B. 30 D. 80

22. $4 \times (7.8 - 3.3) \div 2$

A. 4 C. 9.8

B. 9 D. 12

23. Rename $17\frac{15}{10}$ to lowest terms.

A. $17\frac{1}{2}$ C. $18\frac{3}{4}$

B. $18\frac{1}{2}$ D. 19

24. Which fraction is in lowest terms?

A. $\frac{4}{10}$ C. $\frac{7}{14}$

B. $\frac{6}{8}$ D. $\frac{9}{16}$

25. What is the sum of $\frac{3}{4}$, $\frac{5}{8}$, and $\frac{1}{2}$?

A. 1 C. $1\frac{7}{8}$

B. $1\frac{1}{2}$ D. $2\frac{1}{4}$

Name _____

CUMULATIVE REVIEW

Choose the answer.

1. What two prime numbers are between 20 and 30?

   A. 21 and 23

   B. 23 and 29

   C. 25 and 27

   D. none of the above

2. Two addends have a sum of 30. The second addend is 2 times the first addend.

   A. 14 + 16

   B. 10 + 20

   C. 5 + 25

   D. all of the above

3. 300 = ___

   A. $3 \times 10_1$

   B. 2×30

   C. 30×100

   D. none of the above

4. 400 = ___

   A. 1,000 ÷ 2.5

   B. 8,000 ÷ 20

   C. $2\frac{2}{3} \times 150$

   D. all of the above

5. (15 x 200) ÷ 60 + 90 = ___

   A. 20

   B. 100

   C. 140

   D. none of the above

6. Estimate the product of 726 x 398.

   A. 21,000

   B. 28,000

   C. 200,000

   D. 280,000

7. Use front-end estimation for 189,786 + 346,398.

   A. 300,000

   B. 520,000

   C. 600,000

   D. 720,000

8. Estimate the inventory of 169,387 nails to the nearest one thousand.

   A. 169,000

   B. 170,000

   C. 200,000

   D. 201,000

9. Which list shows all the factors of 72?

   A. 8, 9

   B. 2, 3, 6, 8, 9

   C. 1, 2, 3, 8, 9, 12

   D. 1, 2, 3, 4, 6, 8, 9, 12, 18, 24, 36, 72

10. $\frac{3}{4} + \frac{5}{6}$ = ___

    A. The estimated sum is 2.

    B. The estimated sum is 1.

    C. The sum is less than 1.

    D. The sum is greater than 2.

Use the number boxes to find the answer.

11. Choose the numbers ordered from least to greatest.

A. 0.7, 0.087, 0.987

B. 0.087, 0.7, 0.987

C. 0.987, 0.7, 0.087

D. 0.987, 0.087, 0.7

12. Choose the sum of the numbers.

A. 1.081

B. 1.774

C. 2.557

D. 25.57

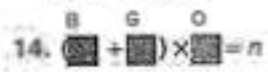
13. O G
 $= n$

A. $n = 609$

B. $n = 6.09$

C. $n = 0.609$

D. $n = 0.0609$

14. B G O
 $= n$

A. $n = 0.07$

B. $n = 0.7518$

C. $n = 7.518$

D. $n = 8$

15. G B
 $+ n =$

A. $n = 0.9$

B. $n = 0.09$

C. $n = 0.009$

D. $n = 9$

Choose the answer.

16. $x > 2$

A. $x = 16$

B. $x = 2.3$

C. $x = \frac{15}{3}$

D. all of the above

17. $x + 10 - 3 = 29.8$

A. $x = 19.8$

B. $x = 20.5$

C. $x = 22.8$

D. all of the above

18. $17(n) = 68$

A. $n = 2$

B. $n = 3$

C. $n = 4$

D. $n = 5$

19. $\frac{n}{8} = 7$

A. $n = 48$

B. $n = 56$

C. $n = 64$

D. $n = 77$

20. Write an equivalent expression for 8×9, using prime numbers and exponents.

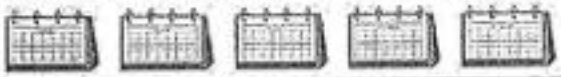
A. $2^3 \times 3^2$

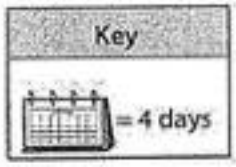
B. $2^2 \times 3^2$

C. $2^2 \times 3^3$

D. none of the above

Use the pictograph to find the answer.

February	
weekdays	
weekend days	
special days	
national holidays	
school holidays	



21. Which two lines of the pictograph give the total number of days in February?

A. weekdays + special days

B. national holidays + weekdays

C. weekdays + weekend days

D. none of the above

22. How many special days are in February?

A. 3

B. 4

C. 5

D. 6

23. How many more weekdays are there than weekend days?

A. 2 times as many weekdays

B. $2\frac{1}{2}$ times as many weekdays

C. 15 more weekdays

D. 20 more weekdays

24. If school closes for national holidays and school holidays, how many vacation days will there be?

A. 1 + 2 = 3 days

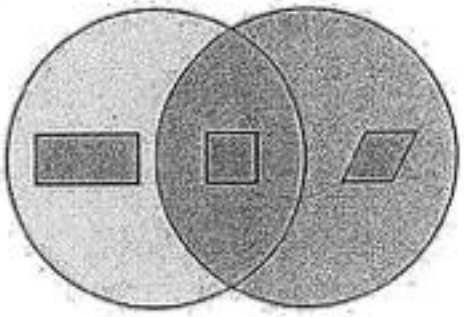
B. 4 + 2 = 6 days

C. 4 + 1 = 5 days

D. none of the above

Use the Venn diagram to find the true statement.

25.



A. A square can be classified as a rectangle and a rhombus.

B. A rectangle is a rhombus.

C. A rhombus is not a quadrilateral.

D. A rectangle, a square, and a rhombus are not related at all.

Name _____

CUMULATIVE REVIEW

Choose the answer.

1. $\begin{array}{r} 36{,}903 \\ 14{,}772 \\ +\,21{,}187 \\ \hline \end{array}$

A. 71,682 C. 72,862

B. 72,753 D. 72,992

2. $3 \times 26 \times 16 =$ ___

A. 1,221 C. 1,336

B. 1,248 D. 1,428

3. $\begin{array}{r} 17.34 \\ -\ 8.9286 \\ \hline \end{array}$

A. 8.4114 C. 9.4114

B. 8.6286 D. 9.4214

4. $3\frac{3}{16} + 7\frac{1}{4} =$ ___

A. $10\frac{7}{16}$ C. $10\frac{3}{16}$

B. $10\frac{1}{4}$ D. 11

5. $10 - 3\frac{6}{7} =$ ___

A. $7\frac{3}{7}$ C. $6\frac{4}{7}$

B. 7 D. $6\frac{1}{7}$

6. Round to the nearest hundredth.

$112\overline{)4,318}$

A. 38.55 C. 40.51

B. 39.52 D. 45.01

7. $\frac{3}{4} \div \frac{1}{2} =$ ___

A. 1 C. 2

B. $1\frac{1}{2}$ D. $2\frac{1}{2}$

8. $\frac{4}{9} \times \frac{11}{12} =$ ___

A. $\frac{1}{3}$ C. $\frac{11}{108}$

B. $\frac{5}{7}$ D. $\frac{11}{27}$

9. Rename $\frac{5}{6}$ as a decimal. Round to the nearest thousandth.

A. 0.822 C. 0.932

B. 0.833 D. 0.983

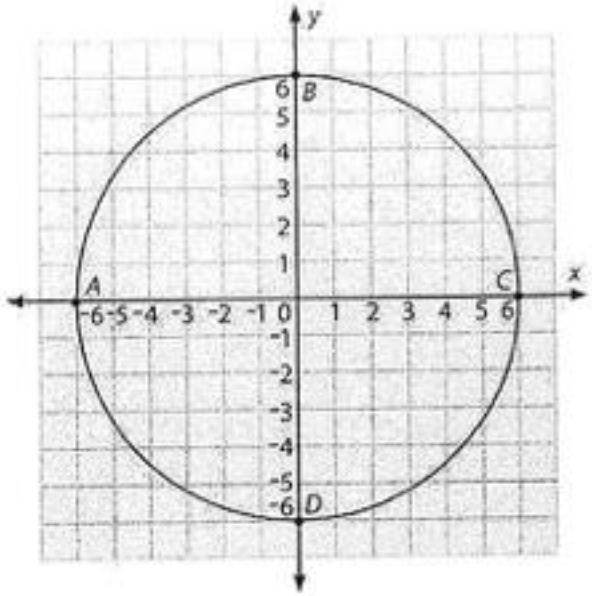
10. Estimate the difference.

$\frac{8}{9} - \frac{3}{4} =$ ___

A. 0 C. 1

B. $\frac{1}{2}$ D. $1\frac{1}{2}$

Use the coordinate plane to find the answer.



11. What are the coordinates for point C?

A. (0, 6) C. (0, -6)

B. (-6, 0) D. (6, 0)

12. The diameter of the circle is ___ units.

A. 6 C. 18

B. 12 D. 24

13. The radius of the circle is ___ units.

A. 6 C. 18

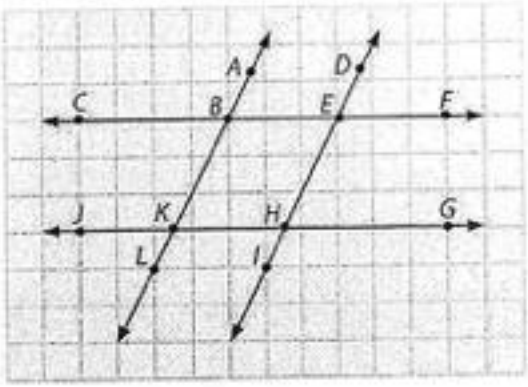
B. 12 D. 24

14. Which formula could be used to find the area of the circle?

A. $A = l \times w$ C. $A = \pi r^2$

B. $A = \frac{1}{2}bh$ D. $A = bh$

Use the figure to find the answer.



15. What figure is enclosed by the lines?

A. square C. parallelogram

B. trapezoid D. hexagon

16. Describe the relationship between $\overleftrightarrow{AL}$ and $\overleftrightarrow{DI}$.

A. intersecting lines C. perpendicular lines

B. parallel lines D. none of the above

17. Describe $\angle BKH$.

A. acute C. right

B. obtuse D. all of the above

18. Choose the true statement.

A. $\angle GHI = 90°$ C. $\angle GHI < 90°$

B. $\angle GHI > 90°$ D. $\angle GHI > 180°$

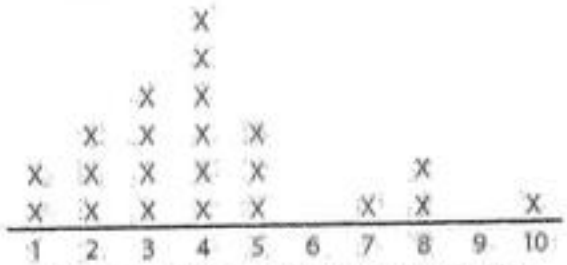
19. Which line is perpendicular to $\overleftrightarrow{CF}$?

A. $\overleftrightarrow{AL}$ C. $\overleftrightarrow{DI}$

B. $\overleftrightarrow{JG}$ D. none of the above

Use the line plot to find the answer.

Scott asked this survey question: "How many people live in your home?" He recorded the survey responses on a line plot.



Number of Occupants in Each Home

20. According to the survey, how many people lived alone?

A. 1 **C.** 6

B. 2 **D.** 10

21. How many people did Scott survey?

A. 10 **C.** 18

B. 15 **D.** 22

22. The largest group of responses was for how many occupants?

A. 2 **C.** 4

B. 3 **D.** 5

23. How many homes had 10 occupants?

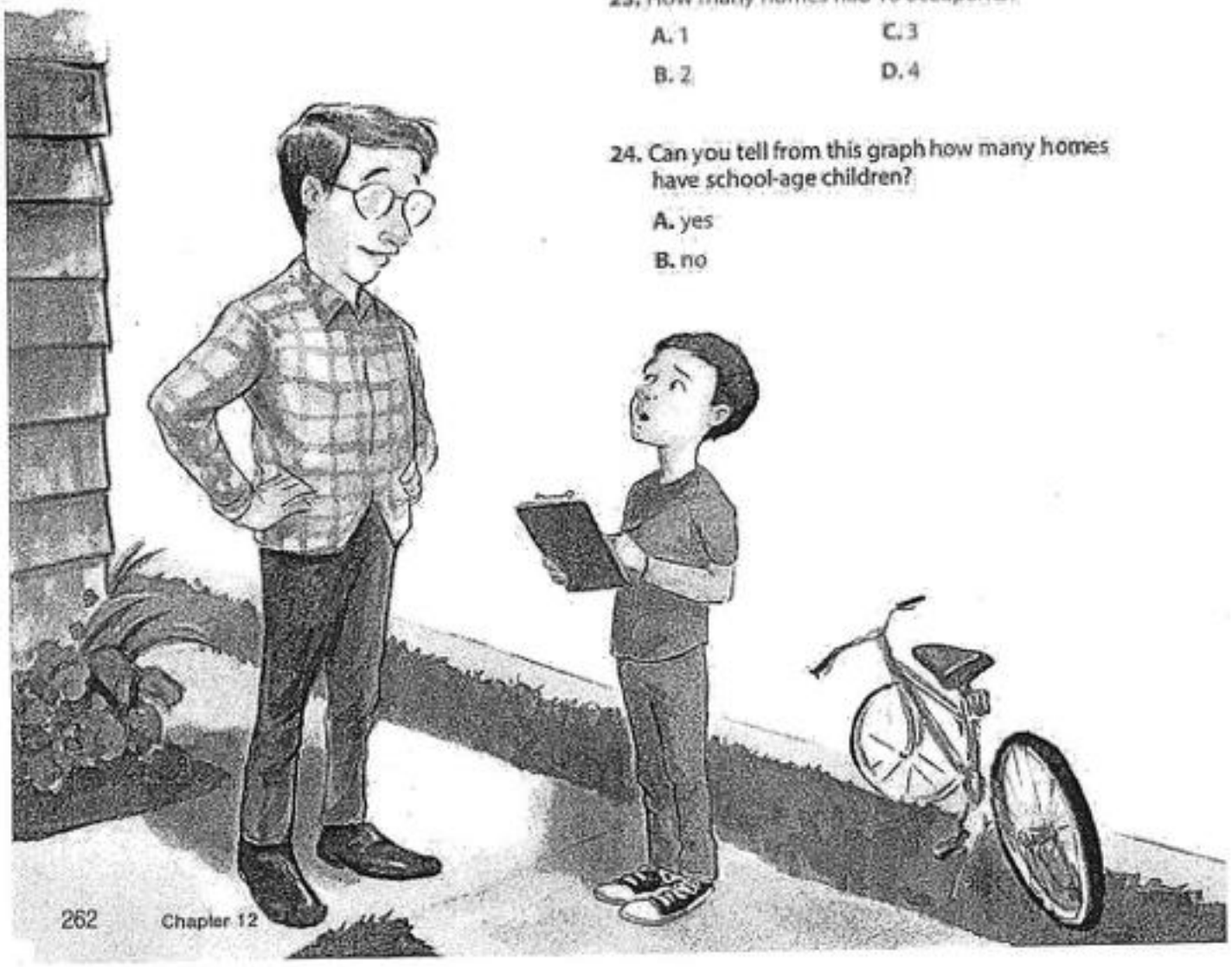
A. 1 **C.** 3

B. 2 **D.** 4

24. Can you tell from this graph how many homes have school-age children?

A. yes

B. no

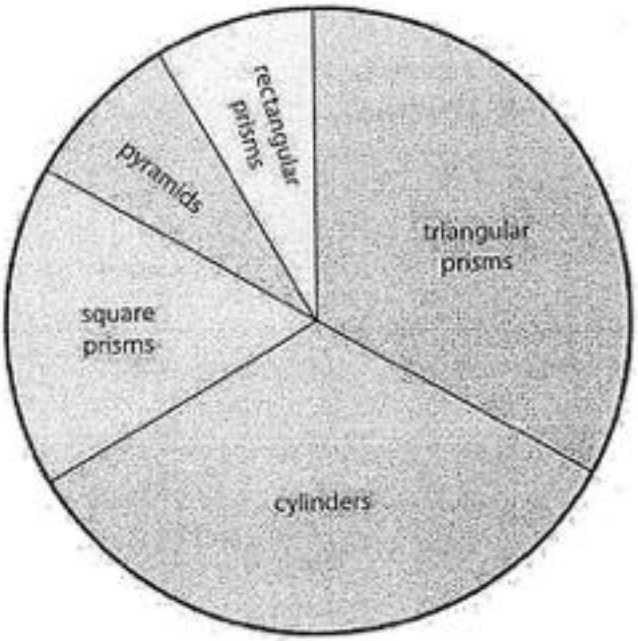


Name _____

CUMULATIVE REVIEW

Use the circle graph to find the answer.

The circle graph represents examples of 3-dimensional figures found at home.



1. What categories are least represented?
   - A. pyramids and triangular prisms
   - B. cylinders and rectangular prisms
   - C. square prisms and pyramids
   - D. pyramids and rectangular prisms

2. Cylinders represent what part of the graph?
   - A. $\frac{1}{3}$
   - C. $\frac{1}{6}$
   - B. $\frac{1}{2}$
   - D. $\frac{1}{9}$

3. Square prisms represent what part of the graph?
   - A. $\frac{1}{3}$
   - C. $\frac{1}{6}$
   - B. $\frac{1}{2}$
   - D. $\frac{1}{9}$

4. What part of the graph is made up of cylinders and square prisms?
   - A. $\frac{1}{2}$
   - C. $\frac{5}{6}$
   - B. $\frac{1}{3}$
   - D. $\frac{5}{6}$

5. What type of figure is as equally represented as cylinders?
   - A. pyramids
   - B. triangular prisms
   - C. square prisms
   - D. rectangular prisms

Choose the answer.

6. A roll of quarters has a value of $10.00. Ana has $16\frac{3}{4}$ rolls of quarters. How much money does she have?

A. $165.75 C. $170.25

B. $167.50 D. $175

7. Dad bought grass seed for the lawn. Each bag covers 1,000 ft^2. How many bags did he buy if the yard is 120 ft × 60 ft and the house takes up about $\frac{1}{2}$ of the area?

A. 3 bags C. 6 bags

B. 4 bags D. 8 bags

8. Mariah collected 1 dozen eggs on Monday and twice as many on Tuesday. How many eggs did she collect in all?

A. 2 dozen C. 36 eggs

B. 30 eggs D. $1\frac{1}{2}$ dozen

9. Jude learned 15 Bible verses for the Bible quiz team. Dylan learned 3 times as many verses as Jude. How many verses did the two boys learn altogether?

A. 15 + 15 + 15 = 45 verses

B. 15 + (15 + 3) = 33 verses

C. 15 + (3 · 15) = 60 verses

D. none of the above

10. Working together, it takes Jace and Spencer $2\frac{1}{2}$ hr to mow and trim the Allens' lawn. It takes them $3\frac{3}{4}$ hr to mow and trim the Reas' lawn. How many hours will it take them on Saturday to mow and trim both lawns?

A. 5 hr C. $5\frac{1}{2}$ hr

B. $5\frac{1}{4}$ hr D. $6\frac{1}{4}$ hr

11. $\sqrt{121}$

A. 10 C. 12

B. 11 D. 13

12. 5^4

A. 125 C. 500

B. 200 D. 625

13. $3 + 5 \times 8 - 2$

A. 23 C. 41

B. 32 D. 43

14. $-2 + 6$

A. -4 C. 4

B. 0 D. 8

15. 31×15

A. 375 C. 455

B. 405 D. 465

16. $590 \div 14$

A. 42.1 C. 42.14

B. 42.04 D. 42.4

17. $600 \div 0.25$

A. 2.4 C. 240

B. 24 D. 2,400

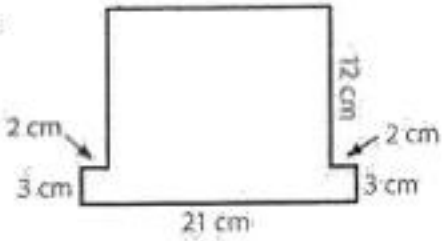
18. $\frac{3}{11} = \frac{n}{44}$

A. $n = 12$ C. $n = 18$

B. $n = 15$ D. $n = 33$

Choose the answer.

19.



Area is found using the formula $A = l \cdot w$. What is the area of the figure?

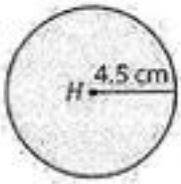
A. 267 cm^2

B. 303 cm^2

C. 258 cm^2

D. 315 cm^2

20.



The circumference of a circle is found using the formula $C = \pi d$. What is the circumference of circle *H*?

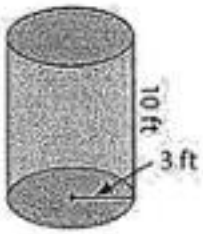
A. 63.59 cm

B. 14.13 cm

C. 28.26 cm

D. 7.07 cm

21.



The formula for the volume of a cylinder is $V = (\pi r^2) \times h$ What is the volume of this cylinder?

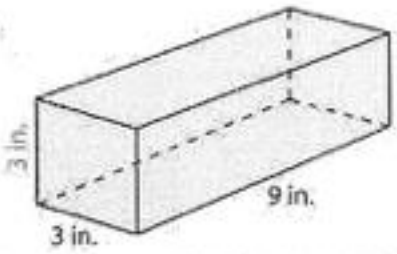
A. 28.26 ft^3

B. 94.2 ft^3

C. 124.2 ft^3

D. 282.6 ft^3

22.



Which equation shows the volume of the rectangular prism?

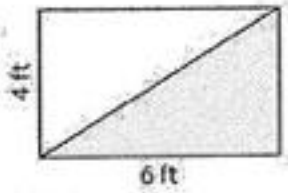
A. $3 \times 9 = 27\ in^2$

B. $(3 \cdot 9) + (3 \cdot 3) = 36\ in^2$

C. $2(3 \cdot 3) + 2(3 \cdot 9) = 72\ in^2$

D. $3 \times 3 \times 9 = 81\ in^3$

23.



Which equation can be used to find the area of the shaded part?

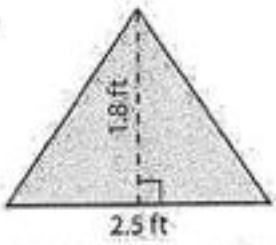
A. $4ft \times 6ft = 24\ ft^2$

B. $\frac{1}{2}(6ft \times 4\ ft) = 12\ ft^2$

C. $(2 \cdot 4\ ft) + (2 \cdot 6\ ft) = 20\ ft^2$

D. $\frac{1}{2}(4ft + 6\ ft) = 3.3\ ft^2$

24.



Which equation can be used to find the area of the triangle?

A. $\frac{1}{2}(2.5 \times 1.8) = 2.25\ ft^2$

B. $2.5 \times 1.8 = 4.5\ ft^2$

C. $2(2.5 \times 1.8) = 9\ ft^2$

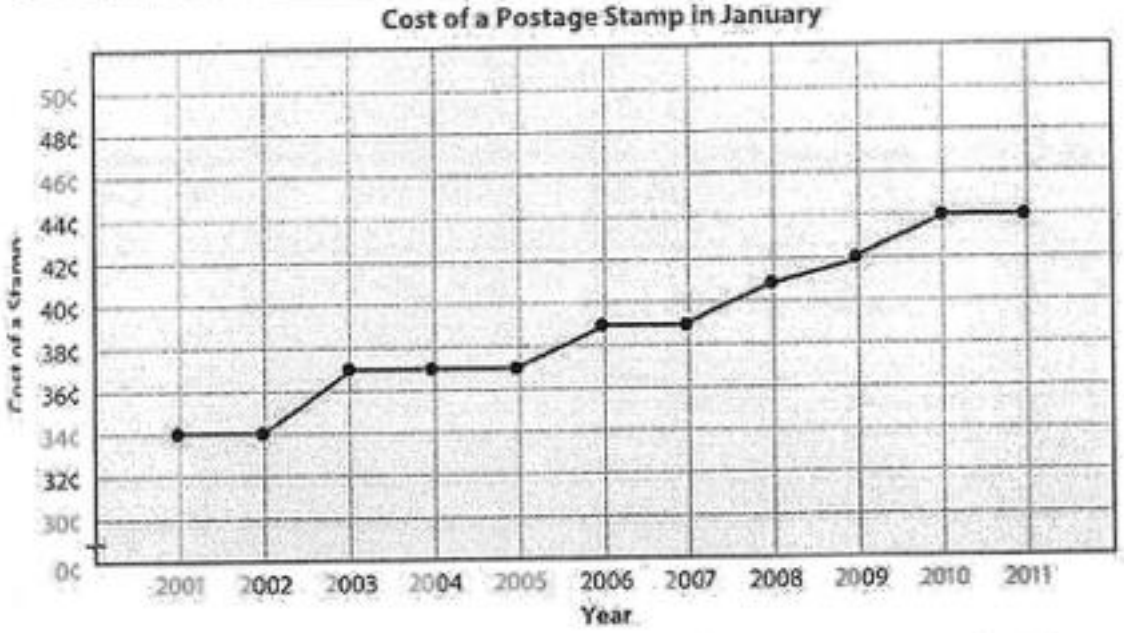
D. $(2 \cdot 2.5) + (2 \cdot 1.8) = 8.6\ ft^2$

Name _____

CUMULATIVE REVIEW

Use the line graph to find the answer.

The line graph shows the cost of a first-class postage stamp in January of the given year.



1. What is the difference in the cost of the 2001 and the 2011 stamps?

   A. 10 cents C. 20 cents

   B. 15 cents D. 25 cents

2. How many times is a price increase shown between 2001 and 2011?

   A. 0 times C. 5 times

   B. 2 times D. 10 times

3. How many times is a price decrease shown between 2001 and 2011?

   A. 0 times C. 5 times

   B. 2 times D. 10 times

4. The greatest increase in the cost of a stamp was between which two years?

   A. 2002 to 2003 C. 2008 to 2009

   B. 2005 to 2006 D. 2010 to 2011

5. In which three years was the price of stamps the same?

   A. 2001, 2002, 2003

   B. 2003, 2004, 2005

   C. 2006, 2007, 2008

   D. 2009, 2010, 2011

6. What does this graph indicate about the cost of a postage stamp?

   A. The cost stayed the same.

   B. The cost steadily decreased.

   C. The cost steadily increased.

   D. There is not enough data represented.

Choose the answer.

7. Round 13.43 to the nearest whole number.

A. 10 C. 14

B. 13 D. 15

8. Estimate the quotient for 3,625 ÷ 43.

A. 80 C. 90

B. 85 D. 900

9. Use front-end estimation to find the sum.

283,498 + 690,785

A. 500,000 C. 873,000

B. 600,000 D. 970,000

10. Round 987,642 to the nearest one thousand.

A. 987,600 C. 990,000

B. 988,000 D. 1,000,000

11. If $\frac{1}{4}$ of 60 is 15, what is $\frac{3}{4}$ of 60?

A. 20 C. 45

B. 30 D. 90

12. What is the price of 10 lb of grapes if they cost $1.79 a pound?

A. $17.90 C. $34.00

B. $28.40 D. $179

13. $3n + 8$ if $n = 1.6$

A. 5.6 C. 32.4

B. 12.8 D. 40

14. $9.83 \div n$ if $n = 10$

A. 0.983 C. 983

B. 98.3 D. 9,830

15. $n - 56 = 49$

A. $n = 7$ C. $n = 99$

B. $n = 13$ D. $n = 105$

16. $3y = 108$

A. $y = 25$ C. $y = 36$

B. $y = 30$ D. $y = 105$

17. $y + y + y + y$

A. $y + 4$ C. $4 - y$

B. $4y$ D. $y \div 4$

18. $4.99 \div m = 5$

A. $m = 0.1$ C. $m = 0.001$

B. $m = 0.01$ D. $m = 1$

Choose the answer.

19. What factors are common to 18 and 24?

A. 3, 6, 9
C. 3, 4, 6
B. 2, 3, 6
D. 2, 4, 6

20. What is the LCM of 6 and 4?

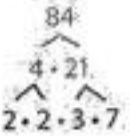
A. 6
C. 18
B. 12
D. 24

21.

n		
3.8	6.7	0.4

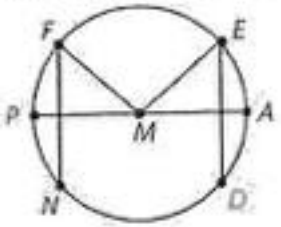
A. $n = 1.8$
C. $n = 9.9$
B. $n = 7.2$
D. $n = 10.9$

22. Use the factor tree to choose the prime factorization.



A. $2 \cdot 3 \cdot 7$
B. $4 \cdot 7$
C. $2^2 \cdot 3 \cdot 7$
D. $2 \cdot 3^2 \cdot 7$

23. Choose the true statement about circle M.

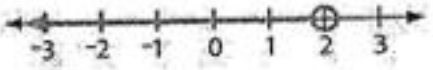


A. The diameter is $\overline{PA}$.
B. $\overline{MA} = \overline{MF}$
C. $\overline{FN}$ and $\overline{ED}$ are chords.
D. all of the above

24. Name the figure.

A. rectangular pyramid
B. square prism
C. rectangular prism
D. none of the above

25. Choose the inequality statement for the number line.



A. $x > 2$
B. $x < 2$
C. $x = 2$
D. $x > 3$

Name _____

CUMULATIVE REVIEW

Choose the answer.

1. $\begin{array}{r} 58.509 \\ -\ 49.932 \\ \hline \end{array}$

A. 7.437 C. 9.437

B. 8.577 D. 18.437

2. $\begin{array}{r} 4.6897 \\ +\ 68.3974 \\ \hline \end{array}$

A. 74.3071 C. 73.0121

B. 73.0871 D. 72.0971

3. $\begin{array}{r} \$37.24 \\ \times\ \ 342 \\ \hline \end{array}$

A. $12,736.08 C. $12,068.80

B. $12,638.08 D. $11,763.08

4. $8\overline{)783}$

A. $95\frac{7}{8}$ C. $97\frac{7}{8}$

B. $96\frac{5}{8}$ D. $98\frac{1}{8}$

5. $76.3 \div 100$

A. 0.0763 C. 7.63

B. 0.763 D. none of the above

6. $\frac{5}{8} - \frac{7}{32}$

A. $\frac{2}{32}$ C. $\frac{13}{32}$

B. $\frac{7}{32}$ D. $\frac{15}{32}$

7. $6\frac{1}{10} - 3\frac{3}{5}$

A. $3\frac{4}{5}$ C. $2\frac{7}{10}$

B. $3\frac{2}{5}$ D. $2\frac{1}{2}$

8. $\frac{2}{7} + \frac{1}{4}$

A. $\frac{5}{7}$ C. $\frac{11}{14}$

B. $\frac{3}{28}$ D. $\frac{15}{28}$

9. $\frac{5}{8} \div \frac{2}{3}$

A. $\frac{5}{6}$ C. $\frac{5}{16}$

B. $\frac{5}{8}$ D. $\frac{15}{16}$

10. $\frac{1}{8} \times 6$

A. $3\frac{3}{4}$ C. 3

B. $3\frac{1}{2}$ D. $2\frac{7}{8}$

Choose the answer.

11. $5{,}177 = 31 \times n$

A. $n = 166$ C. $n = 169$

B. $n = 167$ D. $n = 170$

12. $n \div 251 = 36$

A. $n = 9{,}036$ C. $n = 8{,}936$

B. $n = 8{,}306$ D. $n = 1{,}036$

13. 16 lb 10 oz
+ 18 lb 6 oz

A. 35 lb C. 36 lb 2 oz

B. 35 lb 4 oz D. 37 lb

14. Twenty quarts can make how many gallons?

A. 4 gal C. 5 gal

B. 6 gal D. 7 gal

15. What is 15% as a fraction in lowest terms?

A. $\frac{1}{4}$ C. $\frac{3}{20}$

B. $\frac{1}{6}$ D. $\frac{5}{17}$

16. What is the value of $\frac{1}{7}$ in decimal form? Round to the nearest thousandth.

A. 0.143 C. 1.144

B. 1.429 D. 7.1

17. What is the value of 4 in 649,782,163.51?

A. 40 thousand C. 40 million

B. 4 million D. 4 billion

18. Round to the greatest place value to estimate the answer.

$7.014 - 4.38$

A. 3 C. 4

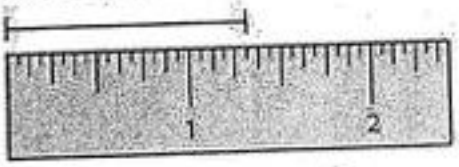
B. 2 D. 1

19. What is $\frac{4}{5}$ as a percent?

A. 70% C. 80%

B. 90% D. 100%

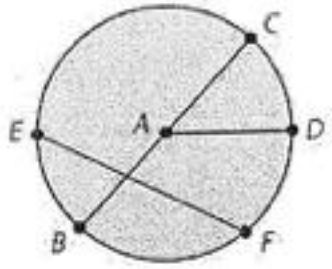
20. Measure the line segment to the nearest sixteenth inch.



A. $1\frac{5}{16}$ C. $1\frac{9}{16}$

B. $1\frac{7}{16}$ D. $1\frac{15}{16}$

Use $\odot A$ to find the answer.



21. What is the diameter of circle A?

A. $\overline{AD}$

B. $\overline{CB}$

C. $\overline{EF}$

D. none of the above

22. If $\angle CAD$ is 73°, what is the measure of $\angle BAD$?

A. 75°

B. 90°

C. 107°

D. none of the above

23. Name a chord that is *not* the diameter.

A. $\overline{EF}$

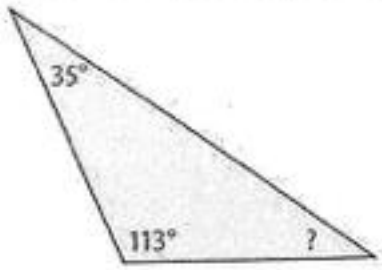
B. $\overline{AD}$

C. $\overline{AC}$

D. none of the above

Choose the answer.

24. What is the measure of the unknown angle?



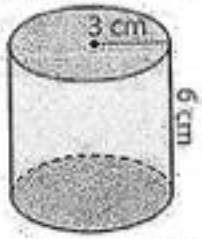
A. 42°

B. 32°

C. 22°

D. none of the above

25. What is the volume of the figure?



A. 148.45 cm^3

B. 169.56 cm^3

C. 16.966 cm^3

D. none of the above

Name _____

CUMULATIVE REVIEW

Choose the answer.

1. What is 10^6 in standard form?

   A. 10,000 C. 1,000,000

   B. 100,000 D. none of the above

2. Round 67.39788 to the nearest ten thousandth.

   A. 67.3979 C. 67.3988

   B. 67.3980 D. none of the above

3. The fraction $\frac{13}{26}$ is closest to what point on the number line?

   A. 0 C. 1

   B. $\frac{1}{2}$ D. $1\frac{1}{2}$

4. Which description best fits the figures?

   A. obtuse angles C. congruent figures

   B. similar figures D. all of the above

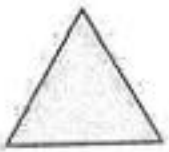
5. What two words identify the type of triangle?

   A. acute, equilateral

   B. right, isosceles

   C. scalene, obtuse

   D. none of the above



6. How many pieces of ribbon 12.5 cm long can Jaclyn cut from a piece 145 cm long?

   A. 11 pieces C. 12 pieces

   B. 13 pieces D. 14 pieces

7. Leah paid $25.95 for a new coat. If she gave the cashier forty dollars, what was her change?

   A. $12.05 C. $13.05

   B. $14.05 D. $11.05

8. Grandfather's house is $104\frac{7}{10}$ km from Finn's house. If Finn's family drove $60\frac{1}{2}$ km before lunch, how many more kilometers will they need to drive after lunch to reach Grandfather's house?

   A. $42\frac{1}{2}$ km C. $43\frac{1}{10}$ km

   B. $44\frac{1}{5}$ km D. $44\frac{4}{5}$ km

9. How many hours are in 420 min?

   A. 6 hr C. 7 hr

   B. 8 hr D. 9 hr

10. What is the mean temperature for the park for the given months?

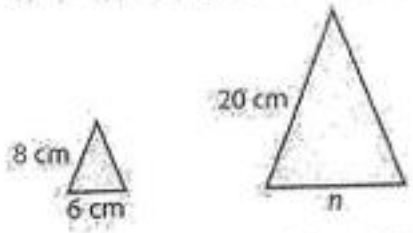
Monthly Average High Temperature for Bryce Canyon National Park				
May	June	July	August	September
63°F	75°F	80°F	77°F	72°F

   A. 72.8°F C. 77.3° F

   B. 73.4°F D. 78°F

Choose the answer.

11. Use a proportion to find the unknown measure for the pair of similar figures.



A. $n = 15$ cm
C. $n = 24$ cm
B. $n = 32$ cm
D. none of the above

12. Rename $\frac{32}{48}$ in lowest terms.

A. $\frac{1}{3}$
C. $\frac{2}{5}$
B. $\frac{3}{7}$
D. $\frac{2}{3}$

13. What is the least common multiple of 14 and d 21?

A. 35
C. 42
B. 49
D. 60

14. $\frac{6}{10} \div 3$

A. $\frac{1}{10}$
C. $\frac{3}{6}$
B. $\frac{3}{10}$
D. $\frac{1}{2}$

15. Estimate the sum.

$1\frac{6}{14} + 2\frac{7}{12}$

A. 1
C. 4
B. 2
D. 5

16. Find an equivalent ratio for $\frac{11}{12}$

A. $\frac{30}{36}$
C. $\frac{55}{58}$
B. $\frac{44}{48}$
D. $\frac{90}{100}$

17. $25 - 7 \times 2 + 44$

A. 35
C. 50
B. 40
D. 55

18. $34\overline{)6{,}908}$

A. $203\frac{6}{34}$
C. $213\frac{3}{34}$
B. $203\frac{3}{17}$
D. $230\frac{1}{34}$

19. 100×365.93

A. 36,593
C. 3.5993
B. 0.35993
D. none of the above

20. 85×6.051 g

A. 51,435 g
C. 514.005 g
B. 514.335 g
D. 5,143.35 g

Use the stem-and-leaf plot to find the answer.

Ages of the First 44 US Presidents at Inauguration	
Stem	Leaf
4	2 3 6 6 7 7 8 9 9
5	0 1 1 1 1 1 2 2 4 4 4 4 4 5 5 5 5 6 6 6 7 7 7 7 8
6	0 1 1 1 2 4 4 5 8 9

Key	4|2 = 42

21. What is the age of the youngest president?

A. 40 C. 49

B. 42 D. 50

22. What age is the median?

A. 52 C. $54\frac{1}{2}$

B. 54 D. 55

23. What is the range of ages?

A. 20 C. 30

B. 27 D. 32

24. What ages are the modes?

A. 51 and 54 C. 51 and 61

B. 56 and 57 D. 54 and 57

25. The oldest president served 8 yr as president. How old was he at the end of his term?

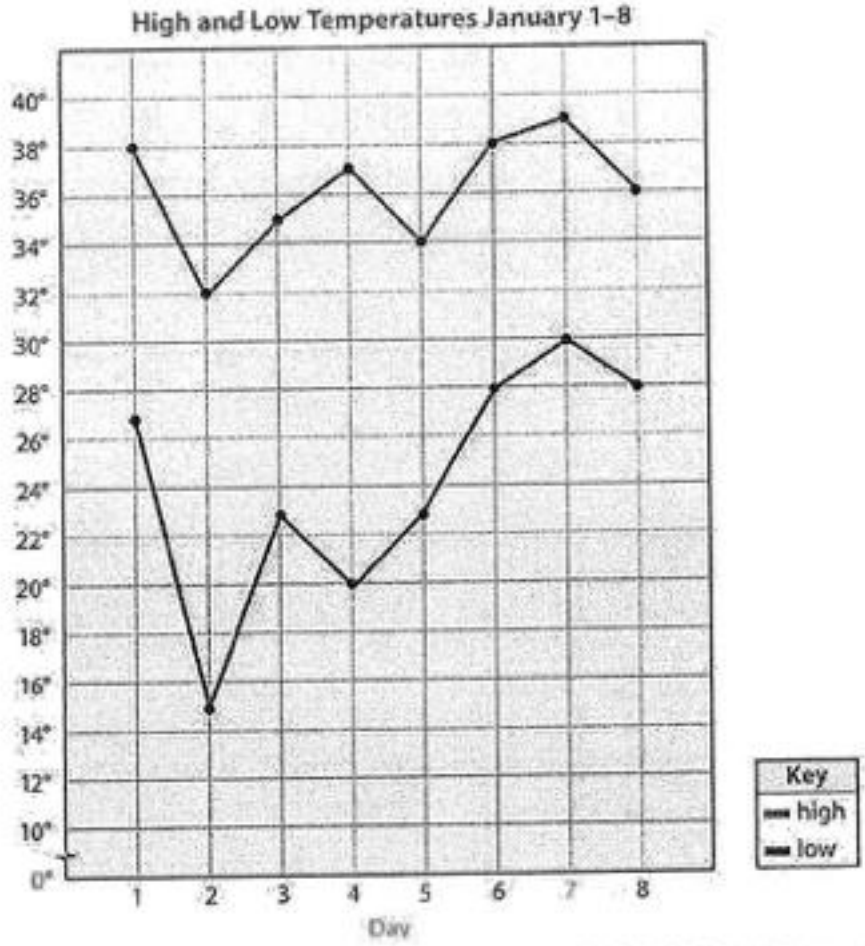
A. 66 C. 75

B. 68 D. 77

Name _____

CUMULATIVE REVIEW

Use the double line graph to find the answer.



1. What is the range in the temperature?

   A. 24° C. 30°
   B. 27° D. 38°

2. What is the range of high temperatures?

   A. 5° C. 7°
   B. 6° D. 8°

3. What is the average high temperature?

   A. 35.75°F C. 36.5°F
   B. 36.125°F D. 37°F

4. What day shows the least difference between the high and low temperatures?

   A. day 1 C. day 4
   B. day 2 D. day 8

5. What is the mode for the high temperature?

   A. 32°F C. 38°F
   B. 34°F D. 40°F

6. What was the change in low temperature from day 1 to day 2?

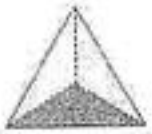
   A. -12° C. 10°
   B. 12° D. -10°

Choose the answer.

7. Which polygon has 7 sides and 7 angles?

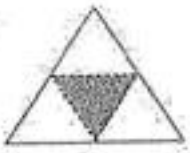
A. pentagon
B. hexagon
C. heptagon
D. quadrilateral

8. Match the figure to its net.

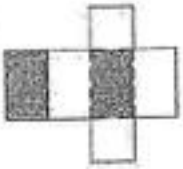


A.

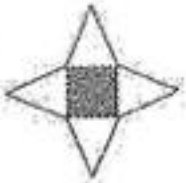
B.



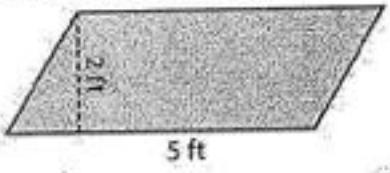
C.



D.

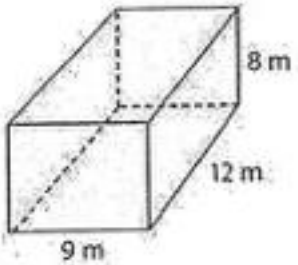


9. Find the area of the figure.



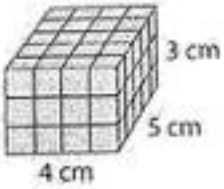
A. 7 ft
B. 10 ft^3
C. 10 ft^2
D. 12 ft

10. Find the surface area.



A. 204 m^3
B. 552 m^2
C. 864 m^3
D. 900 m^2

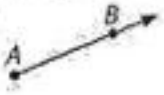
11. Find the volume.



A. 20 cm^3
B. 60 cm^3
C. 35cm^3
D. 70cm^3

12. Which figure represents a plane?

A.



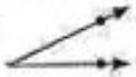
B.

C.

D. $\overset{\bullet}{Z}$

13. Which angle is obtuse?

A.

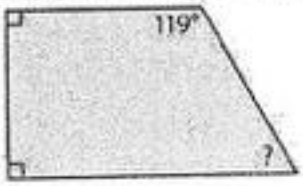


C.

B.

D.

14. What is the measure of the unknown angle?



A. 21°
B. 39°
C. 50°
D. 61°

Choose the answer.

15. Use rounding to estimate.

$$\begin{array}{r} 28.36 \\ -\ 12.52 \\ \hline \end{array}$$

A. 10 C. 30

B. 20 D. 40

16. Round to the nearest cent.

$26\overline{)\$86.00}$

A. \$2.07 C. \$3.08

B. \$3.07 D. \$3.31

17. Estimate the answer.

$\frac{3}{8} + \frac{5}{6} \approx$ ___

A. $1\frac{1}{2}$ C. $2\frac{1}{2}$

B. 2 D. 3

18. Solve for n.

$n \times 132 = 528$

A. $n = 1$ C. $n = 3$

B. $n = 2$ D. $n = 4$

19.
$$\begin{array}{r} 4 \text{ pt } 3 \text{ c} \\ -\ 3 \text{ pt } 1 \text{ c} \\ \hline \end{array}$$

A. 1 pt 7 c C. 2 pt 5 c

B. 1 pt 2 c D. 4 pt

20. $3\frac{1}{8} - \frac{3}{4} =$ ___

A. $1\frac{5}{8}$ C. $2\frac{1}{4}$

B. $2\frac{3}{8}$ D. $3\frac{1}{4}$

21. $4\frac{1}{2} \times 2\frac{1}{6} =$ ___

A. $8\frac{1}{6}$ C. $9\frac{1}{4}$

B. $8\frac{1}{2}$ D. $9\frac{3}{4}$

22. $2\frac{3}{4} \div \frac{1}{2} =$ ___

A. $1\frac{3}{8}$ C. $5\frac{1}{2}$

B. $3\frac{1}{8}$ D. 6

23. Devin has 60 min to do his chores. If he has worked for 36 min, what part of his chore time has passed?

A. $\frac{2}{6}$ C. $\frac{3}{5}$

B. $\frac{4}{5}$ D. $\frac{5}{5}$

24. What is three hundred one and six thousand, four hundred two ten thousandths in standard form?

A. 301.6402 C. 3,001.6042

B. 310.6042 D. 301.642

25. A photographer took student pictures for 3 schools. He took 125 pictures at the first school, 230 at the second, and 560 at the third. Which expression could be used to determine the number of pictures taken at the 3 schools?

A. $560 - (230 + 125)$ C. $(125 + 230) \times 560$

B. $125 + 230 + 560$ D. $(230 - 125) + 560$