

EMBERS
ACADEMY



Summer 2022

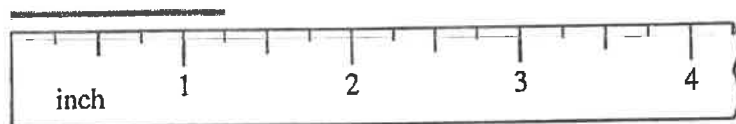
Saxon 5/4 Math Review

For students entering Fourth Grade in the 2022-2023 school year.

This packet is due on the first day of school, September 6, 2022.

1. At the choir's pancake breakfast, five hundred twenty-two pancakes were cooked. Afterward, there were one hundred forty-five pancakes left over. How many pancakes were eaten?
2. There were fifty-eight crayons in the box. Ashley took some crayons out of the box, leaving thirty-five crayons left in the box. How many crayons did Ashley take out of the box?
3. The seaside path was 53 yards long. A tropical storm caused waves that washed away a number of yards from the end. After the storm, the seaside path was 17 yards long. How many yards did the storm wash away?
 [A] 36 yards [B] 70 yards [C] 17 yards [D] 46 yards
4.
$$\begin{array}{r} 965 \\ - 197 \\ \hline \end{array}$$
5. $\$7.42 - \2.85
6. $851 - 128$
 [A] none of these [B] 979 [C] 723 [D] 763
7. Albert got eight hundred ten votes in the election. His opponent got three hundred twenty votes. How many more votes did Albert get than his opponent?
8. The oceanview pier was four thousand six hundred fifty-five feet long. A tropical storm caused waves that washed away one thousand five hundred ten feet from the end. How long was the pier after the storm?
9. During its first year open, there were twenty-three thousand, four hundred sixty-three visitors at Inista Animal Park. The following year, there were forty-seven thousand, four hundred forty-five visitors. How many more people visited Inista Animal Park during the second year than the first year?
10. Forty-three is how much less than five hundred?
11. There were three hundred seventeen cans in the barrel for this year's canned food drive. There were nine hundred seventy-six cans collected for last year's drive. How many fewer cans were collected this year?

12. There are 749 people at Mt. Rushmore. If 86 people get on a bus and leave, how many people are left at Mt. Rushmore?
 [A] 823 [B] 675 [C] 663 [D] 835
13. 2×2
14. Compare: $19+19+17$ 8×8
15. What is the square of 3?
16. 8×8
 [A] 512 [B] 64 [C] 72 [D] 16
17. What is the square root of 49?
18. $\sqrt{64}$
19. $\sqrt{25}$
 [A] $\sqrt{5}$ [B] 625 [C] 25 [D] 5
20. The number three hundred two thousand, fourteen is a big number. Use digits to write this number.
21. Use digits to write eight hundred twenty-seven thousand, four hundred thirty-seven.
22. Use digits to write: five hundred twenty-three thousand, six hundred forty-two.
 [A] 523,642 [B] 532,624 [C] 532,642 [D] 523,624
23. To the nearest quarter inch, how long is this segment?



1. Round 443 to the nearest hundred.

2. Round 668 to the nearest hundred. Round 725 to the nearest hundred. Use digits and symbols to compare the rounded numbers.

3. Round 949 to the nearest hundred.

[A] 1000

[B] 850

[C] 900

[D] 950

4. 90

$\times 4$

5. 500

$\times 2$

6. 70

$\times 4$

[A] 280

[B] 2,800

[C] 28

[D] 350

7. $\$5.15 + 25\text{¢} + \2

8. $\$6.15 + \$6 + 80\text{¢} + 4\text{¢}$

9. $45\text{¢} + 5\text{¢} + \$2 + \$6.65$

10. $\$5.60 + 70\text{¢} + 294\text{¢} + \0.55

11. How much money is 3 quarters, 5 dimes, 7 nickels and 4 pennies?

12. $\$1 - 56\text{¢}$

13. $\$5.20 + 50\text{¢} + \3

~~[A] $\$5.73$~~

~~[B] $\$9.7$~~

~~[C] $\$8.70$~~

~~[D] $\$13.20$~~

14. 18

$\times 8$

15. 33

× 7

[A] 40

[B] 211

[C] 231

[D] 351

16. There were three shelves with five shoes on each shelf. How many shoes were there in all?

17. Oleta has 6 packets with 6 sticks of gum in each packet. How many sticks of gum does she have in all?

18. Marcus has six sleeves of cookies. If each sleeve has twenty-one cookies in it, how many cookies does Marcus have?

19. There was a concert in the park to raise funds for a new playground. Tickets cost seven dollars each. If 131 people attended the concert, how much money did the event raise?

20. Tours Galore has six 215-passenger buses in its fleet. How many people can Tours Galore take on all-day tours of London?

21. Big Bird searched 7 weeks for Kermit. For how many days did he search?

22. Tangerines cost 91¢ per pound. What is the price for 5 pounds of tangerines?

23. Each of the Anderson cousins needs five photos for the family reunion scrapbook. There are eleven cousins in the family. In all, how many photos will the Anderson cousins need?

24. Hiro is making a model of a building from a kit. Each of the wall sections requires 10 pins to hold it in place. There are 21 sections of wall. How many pins should be in the kit?

25. On a bike club outing, Carolyn rode for 3 hours at 16 miles per hour. How far did Carolyn ride?

26. Tracy had 8 pencils in each box. If she had 5 boxes, how many pencils did she have in all?

[A] 45 pencils

[B] 40 pencils

[C] 32 pencils

[D] 13 pencils

1. $5\overline{)13}$

2. $8\overline{)10}$

3. $378 \div 6$

4. $\frac{664}{8}$

5. $7\overline{)364}$

[A] 52

[B] 51

[C] 58

[D] 42

6. $8\overline{)190}$

7. $\frac{382}{9}$

8. $3\overline{)148}$

[A] 49 R 3

[B] 51

[C] 49 R 1

[D] 50 R 1

9. $7\overline{)492}$

10. $5\overline{)755}$

[A] 151

[B] 161

[C] 150

[D] 145

11. $7\overline{)\$4.27}$

12. $2888 \div 3$

13. $\frac{348}{2}$

14. $3\overline{)\$18.99}$

15. $\$38.16 \div 6$

16. $8\overline{)488}$

[A] 51

[B] 61

[C] 52

[D] 60

17. $8\overline{)1677}$

18. $\$12.80 \div 4$

19. Masha arranged 98 chairs in 5 rows as evenly as possible.

(a) How many rows had exactly 19 chairs?

(b) How many rows had 20 chairs?

20. Ron arranged 67 chairs in 8 rows as evenly as possible.

(a) How many rows had exactly 8 chairs?

(b) How many rows had 9 chairs?

[A] (a) 9 rows
(b) 4 rows

[B] (a) 5 rows
(b) 2 rows

[C] (a) 8 rows
(b) 3 rows

[D] (a) 5 rows
(b) 3 rows

21. $80\overline{)294}$

22. $50\overline{)861}$

23. $40\overline{)1941}$

[A] 49

[B] 48 r 21

[C] 48 r 210

[D] 480 r 21

24. $59\overline{)494}$

25. $26\overline{)888}$

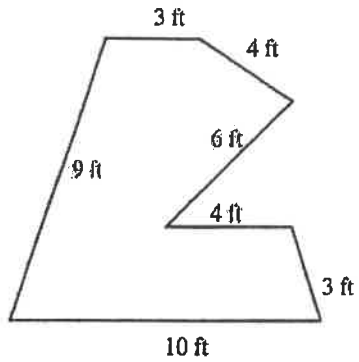
[A] 34 r 5

[B] 34 r 25

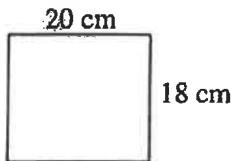
[C] 34 r 4

[D] 34 r 10

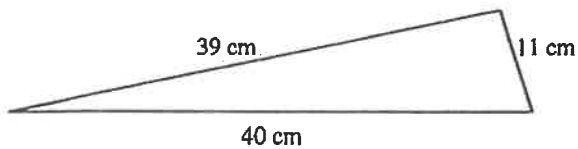
1. What is the perimeter of this shape?



2. Find the perimeter of this rectangle.



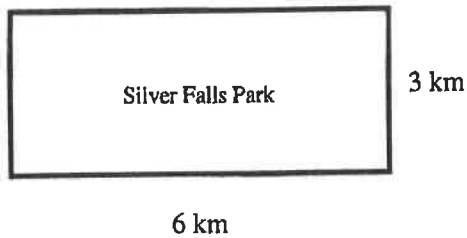
3. What is the perimeter of this triangle?



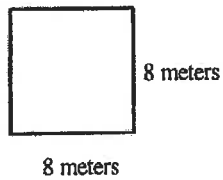
4. Draw a square with a perimeter of 140 mm.

5. If the perimeter of a square is 300 inches, how long is each side?

6. Silver Falls Park is 6 kilometers long and 3 kilometers wide. If Richard ran around the park 2 times, how many kilometers did he run?



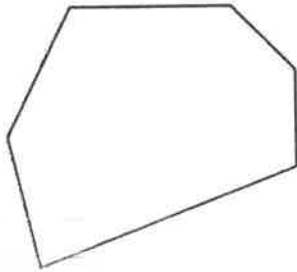
7. What is the perimeter of the square below?



- [A] 33 meters [B] 15 meters [C] 16 meters [D] 32 meters

8. The neighbors on the corner had four tables shaped like hexagons. How many total sides were on all the tables?

9. Name this polygon.



10. Jen has a hexagon, a pentagon, and a triangle. How many total sides do Jen's shapes have?

11. Draw a pentagon. Shade 50% of it.

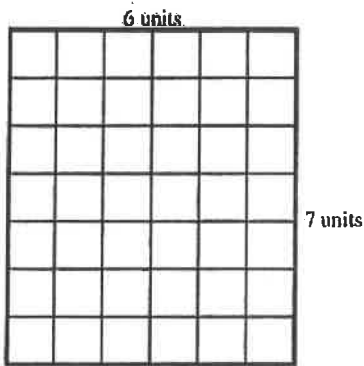
12. Compare: The number of sides on 4 triangles The number of inches in 3 yards.

13. Name the polygon.

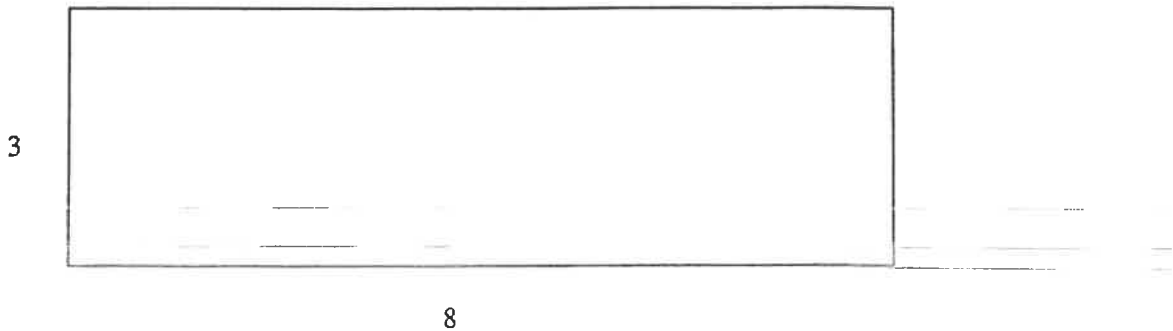


- [A] triangle [B] pentagon [C] hexagon [D] octagon

14. Find the perimeter and area of this rectangle.



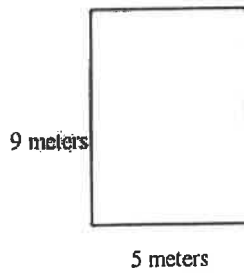
15. Choose which dimensions and perimeter describe the rectangle.



- [A] 11-by-2 [B] 11-by-2 [C] 3-by-8 [D] 3-by-8
perimeter = 24 perimeter = 22 perimeter = 24 perimeter = 22

16. Larry and Anne bought a rectangular piece of property that was 5 miles long and 2 miles wide. Half of the piece of property was covered by a lake. How many square miles were not covered by a lake?

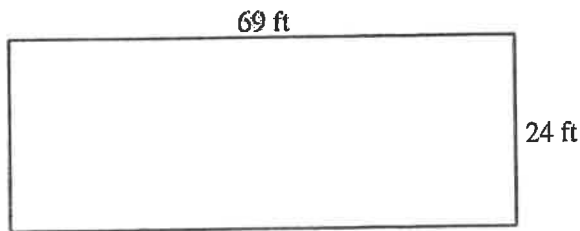
17. What is the area of this rectangular garden?



18. (a) What is the perimeter of this square?
(b) What is the area of this square?



19. A farmer built the sheep pen pictured below. He wishes to order straw to put in the sheep pen. The feed store wants to know what the area of the sheep pen is. Find the area.



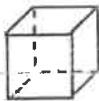
[A] 93 ft^2

[B] $1,656 \text{ ft}^2$

[C] $2,070 \text{ ft}^2$

[D] 151.5 ft^2

20. Name the following shape.



21. Name the following shape.



[A] cone

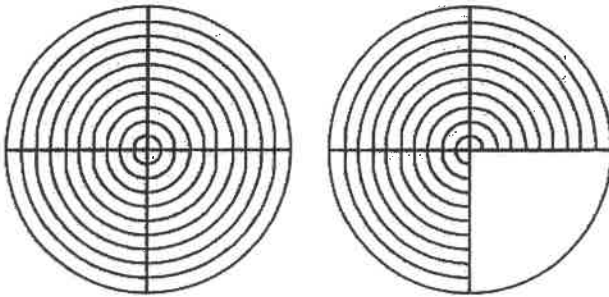
[B] pyramid

[C] cube

[D] cylinder

- One fourth of the 80 students were assigned to each mini-bus. How many students were assigned to each mini-bus?
- What is one half of 258?
- Draw circles to show that $1\frac{1}{4} = \frac{5}{4}$.

4. The circles show:



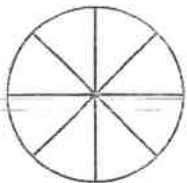
[A] $1\frac{3}{4} = \frac{3}{7}$

[B] $1\frac{3}{4} = \frac{7}{4}$

[C] $1\frac{3}{4} = \frac{3}{4}$

[D] $1\frac{3}{4} = \frac{4}{7}$

- If three sixths of the 36 birds in the forest were black, how many were black?
- One sixth of the team's 42 points were scored by Carl. Carl scored how many points?
[A] 7 points [B] 8 points [C] 42 points [D] 2 points
- Write a fraction equal to 1 that has a denominator of 9.
- What fraction name for 1 is shown in the picture?



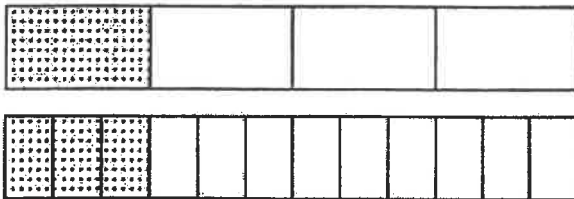
[A] 1

[B] $\frac{1}{8}$

[C] $\frac{8}{8}$

[D] $\frac{8}{1}$

9. The improper fraction $\frac{11}{6}$ equals what mixed number?
10. The improper fraction $\frac{23}{12}$ equals what mixed number?
 [A] $1\frac{11}{12}$ [B] $1\frac{1}{6}$ [C] $\frac{2}{12}$ [D] $\frac{11}{12}$
11. $\frac{3}{7} + \frac{2}{7}$
12. $\frac{11}{19} - \frac{5}{19}$
 [A] $\frac{7}{19}$ [B] 6 [C] $\frac{16}{19}$ [D] $\frac{6}{19}$
13. Draw a picture to show that $\frac{1}{3}$ and $\frac{2}{6}$ are equivalent fractions.
14. The figures are shaded to show 2 equivalent fractions.



Which of these is equivalent to $\frac{1}{4}$?

- [A] $\frac{3}{6}$ [B] $\frac{3}{12}$ [C] $\frac{1}{12}$ [D] $\frac{1}{6}$

Reduce:

15. $\frac{15}{18}$

16. (a) $\frac{6}{10}$ (b) $\frac{8}{28}$

17. Write the reduced form of $\frac{15}{21}$.

[A] $\frac{5}{7}$

[B] $\frac{16}{20}$

[C] $\frac{35}{12}$

[D] $\frac{150}{210}$

18. Find four fractions equal to $\frac{8}{9}$ by multiplying $\frac{8}{9}$ by $\frac{5}{5}$, $\frac{6}{6}$, $\frac{7}{7}$, and $\frac{8}{8}$.

19. Find four fractions equal to $\frac{9}{8}$ by multiplying $\frac{9}{8}$ by $\frac{4}{4}$, $\frac{5}{5}$, $\frac{6}{6}$, and $\frac{7}{7}$.

[A] $\frac{36}{32}$, $\frac{45}{40}$, $\frac{54}{48}$, $\frac{63}{56}$

[B] $\frac{37}{32}$, $\frac{44}{40}$, $\frac{55}{48}$, $\frac{62}{56}$

[C] $\frac{72}{32}$, $\frac{90}{40}$, $\frac{108}{48}$, $\frac{63}{56}$

[D] $\frac{36}{64}$, $\frac{45}{80}$, $\frac{54}{48}$, $\frac{63}{112}$

20. $5\frac{2}{3} - 3\frac{1}{3}$

21. $16\frac{5}{6} + 4\frac{1}{6}$

22. $7\frac{1}{4} + 2\frac{2}{4}$

[A] 9

[B] 10

[C] $9\frac{3}{4}$

[D] $8\frac{3}{4}$

23. $\frac{1}{7} = \frac{?}{49}$

24. Which of the following fractions is equal to $\frac{6}{7}$?

[A] $\frac{7}{6}$

[B] $\frac{30}{35}$

[C] $\frac{12}{35}$

[D] $\frac{30}{14}$

25. Write fractions equal to $\frac{3}{5}$ and $\frac{1}{2}$ with denominators 10.

26. Rename $\frac{5}{6}$ and $\frac{4}{7}$ so that they have a common denominator.

[A] $\frac{5}{7}, \frac{4}{7}$

[B] $\frac{6}{13}, \frac{7}{13}$

[C] $\frac{7}{42}, \frac{6}{42}$

[D] $\frac{35}{42}, \frac{24}{42}$

27. $3\frac{1}{2} + 2\frac{3}{10}$

28. $\frac{1}{2} + \frac{1}{4}$

29. $\frac{1}{2} - \frac{1}{6}$

30. $\frac{2}{3} - \frac{1}{12}$

[A] $\frac{7}{12}$

[B] $\frac{1}{12}$

[C] $\frac{1}{8}$

[D] $\frac{1}{3}$

1. What fraction is equal to the decimal number 0.6?

2. What decimal matches the shaded part of this rectangle?



[A] 0.2

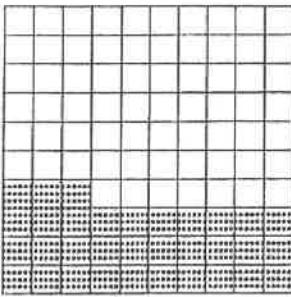
[B] 2

[C] 0.02

[D] 2.8

3. Write a decimal number that equals $\frac{49}{100}$.

4. (a) What decimal number names the shaded part of this square?
(b) What decimal number names the unshaded part of this square?



5. Write a fraction that equals 0.15.

[A] $\frac{15}{100}$

[B] $\frac{15}{10}$

[C] $\frac{85}{100}$

[D] 15

6. Write $2\frac{5}{10}$ as a decimal number.

7. Write $3\frac{36}{100}$ as a decimal number.

[A] 3.36

[B] 3.036

[C] 30.036

[D] 36

8. Which digit in 21.5 is in the same place as the 4 in 640.21?

9. What is the place value of the 4 in 159.46?

[A] hundredths

[B] tenths

[C] hundreds

[D] tens

10. Write 551.42 in words.

11. Use words to name 3405.2.

12. Write 353.45 in words.

- [A] three hundred and fifty-three and forty-five tenths
- [B] three hundred fifty-three and forty-five hundredths
- [C] three hundred fifty-three and forty-five thousandths
- [D] three hundred and fifty-three and forty-five hundred

13. Something is wrong with this sign. Draw two signs that show different ways to correct the error.

| |
|------------------------------|
| Soda Pop 0.65¢ per can |
|------------------------------|

14. Which sign has something wrong with it?

[A]

| |
|-----------------------------------|
| Trail Mix \$ 0.74 per scoop |
|-----------------------------------|

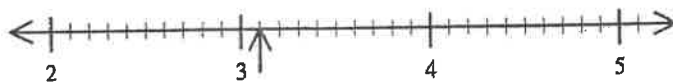
[B]

| |
|---------------------------------|
| Trail Mix 0.74¢ per scoop |
|---------------------------------|

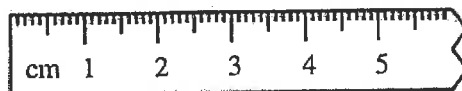
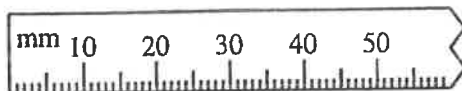
[C]

| |
|-------------------------------|
| Trail Mix 74¢ per scoop |
|-------------------------------|

15. Write the decimal number that names the point on this number line marked with an arrow:



16. (a) Find the length in millimeters.
(b) Find the length in centimeters.



17. The arrow points to which decimal number?



- [A] 21 [B] 1.5 [C] 2.1 [D] 15

18. 2.81
 16.48
 + 2.3

- [A] 18.78 [B] 5.11 [C] 19.29 [D] 21.59

19. 16.98
 11.92
 + 7.3

20. 11.51
 -4.7

21. 9.99
 - 3.8

- [A] 6.19 [B] 6.29 [C] 13.80 [D] 13.79

22. $2.22 + 42.4$

23. $0.51 + 9.6 + 0.6$

24. $2.09 + 0.8 + 23.8$

- [A] 26.19 [B] 28.69 [C] 26.69 [D] 31.69

25. $842.25 - 19.1$

26. $5.4 - 2.24$

- How many years is three decades?
- How many centuries is the same as thirty decades?

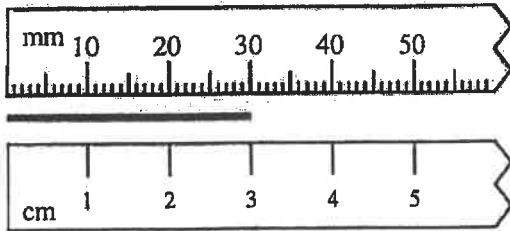
3. **SEPTEMBER 2018**

| SUN | MON | TUE | WED | THUR | FRI | SAT |
|-------|-----|-----|-----|------|-----|-----|
| | | | | | | 1 |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 23/30 | 24 | 25 | 26 | 27 | 28 | 29 |

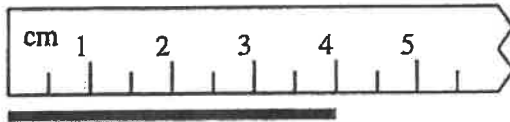
According to this calendar, what is the date of the second Friday in September, 2018?

- What is the total number of days in all of the months with exactly 30 days?
- List the months that have less than 31 days.
- How many years were there from 1327 to 1837?
 [A] 511 years [B] 510 years [C] 509 years [D] 520 years
- Draw a square and shade 50% of it.
- Compare: $\frac{3}{4}$ 50%
- Compare: 25% of 24 6×4
- Find the sixth multiple of 4. Then add 9. What is the answer?
- Draw a square. Shade 50% of it.
- Which number do you NOT say when counting by 10?
 [A] 50 [B] 20 [C] 100 [D] 23

13. (a) The line segment shown is how many centimeters long?
 (b) The segment is how many millimeters long?



14. How long is the line segment?



- [A] 40 cm [B] 3.5 cm [C] 0.4 cm [D] 4 cm
15. The Pickfords drink 3 gallons of milk each week. How many quarts of milk do the Pickfords drink each week?
16. How many ounces equal 4 pints?
17. Little Annie opened a liter of milk and spilled one fifth of it on the floor. How many milliliters of milk did she spill?
18. A barrel contains 38 liters of soda. How many milliliters of soda does it contain?
 [A] 3800 ml [B] 380,000 ml [C] 380 ml [D] 38,000 ml
19. An elephant weighs about 4 tons. How many pounds are in four tons?
20. Compare: The number of years in 30 centuries The number of pounds in 2 tons
21. A hippo weighs about 8 tons. How many pounds are in eight tons?
 [A] 16,000 pounds [B] 8,000 pounds [C] 1,600 pounds [D] 17,000 pounds

1. Kathy could draw 43 characters per hour. At that rate, how many characters could Kathy draw in 2 hours?
2. Tammy's family drove 36 miles each hour. At that rate, how far can they travel in 5 hours?
[A] 180 miles [B] 170 miles [C] 280 miles [D] 175 miles
3. $1 \times 1 = S + 1$
4. $H + 4 = 8 \times 10$
5. $2 \times G = 36 + 25$
6. $11 + 12 + 8 + D = 7 \times 8$
7. $18 + 16 + Y = 18 \times 4$
8. $3 + N + 7 = 16$
[A] 4 [B] 26 [C] 6 [D] 10
9. Adrianna bought 4 cards for \$2.04 each. The sales tax was \$0.41. How much did Adrianna spend in all?
10. Carla bought 5 packs of erasers for \$2.55 each. The sales tax was \$0.64. How much did Carla spend in all?
[A] \$13.39 [B] \$3.19 [C] \$12.11 [D] \$15.95
11. Trish paid one dollar for a drink and received 22¢ back in change. How much did the drink cost?
12. The shoppers bought 2 t-shirts for \$9.99 each and 2 books for \$8.49 each. Sales tax was \$1.85. If they paid for the items with a \$100 bill, how much change did they receive?
13. Allon bought two sandwiches for \$3.16 each and paid \$0.32 in sales tax. If he paid for the items with a twenty-dollar bill, how much change should he get back?

14. Alisa bought two sandwiches for \$2.37 each and paid \$0.24 in sales tax.
(a) What was the total price?
(b) If Alisa paid with a twenty dollar bill, how much change did she get back?
15. You want to buy flowers for your friend. They cost \$4.99 and you give the cashier \$10.00. What will your change be?
[A] \$6.01 [B] \$5.99 [C] \$5.01 [D] \$6.99
16. On Tuesday Tania read 14 pages of a book. Wednesday she read 19 pages, Thursday she read 13 pages and on Friday she read 14 pages. What was the average number of pages she read per day?
17. Carlos bought 3 sweaters. One cost \$5.39, the second cost \$8.81, and the third \$7.10. What was his average cost for the sweaters?
[A] \$7.20 [B] \$7.40 [C] \$7.30 [D] \$7.10
18. Write 24 in Roman numerals.
19. Which number represents 22 in Roman numerals?
[A] XXIII [B] XXII [C] XXXI [D] XXVI
20. (a) Write MMCDIV in our number system.
(b) Write 552 in Roman numerals.
21. Write 1112 in Roman numerals.
[A] MCXII [B] DCXII [C] MCXVII [D] MCXLII