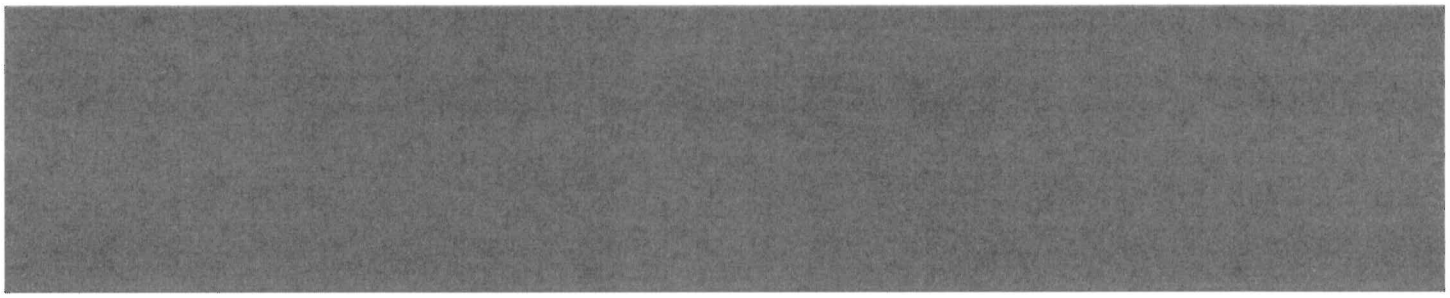


MR. CLARKE

Modified

MATH SUMMER PACKET

DUE AUGUST 20, 2026

THIS IS THE FIRST TEST GRADE

Name

What place value are the numbes different?

1. A Which place value should you use to compare the numbers?

721,385
721,585

A Ten thousands **C** Hundreds
B Thousands **D** Tens

B. Compare 721,385 and 721,585.

A 721,385 > 721,585
B 721,385 < 721,585
C 721,385 = 721,585
D 721,585 < 721,385

2. A. Which basic multiplication fact can you use to find the product of 60 and 30? multiplication

A 6 × 3 = 18 **C** 9 × 3 = 27
B 3 × 5 = 15 **D** 8 × 2 = 16

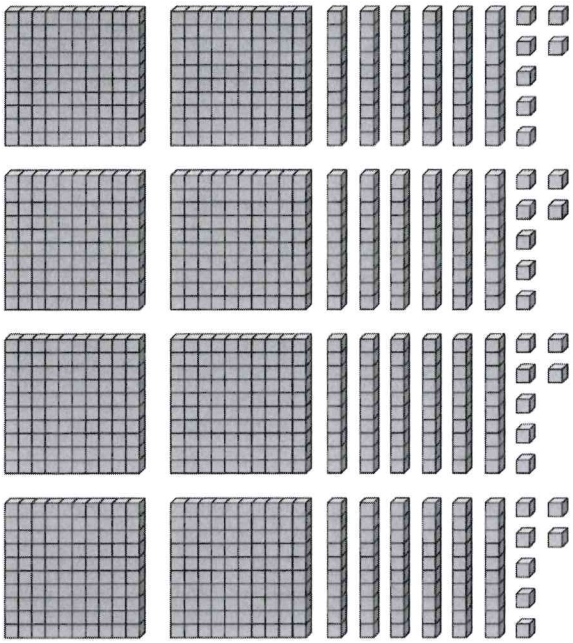
B. Use mental math to find the product of 60 and 30.

3. Find the difference.

4,007 – 2,789

4. Anthony has 4 times as many crayons as Maria. Maria has 47 crayons. Darlene has 173 crayons. Who has more crayons, Anthony or Darlene? x4

5. A Which expression best describes the model below?



A 2 × 447 **C** 4 × 267
B 6 × 800 **D** 2 × 276

6. A shoe store sells boots, sandals, and sneakers. About how many more sneakers did the store sell than sandals and boots combined?

Items Sold		
Boots	**Sandals**	**Sneakers**
5,362	7,741	22,179

S1	S2

8. Estimate by rounding 938,617 and 254 to the nearest hundred, and then find the difference. Write the number name for the difference.

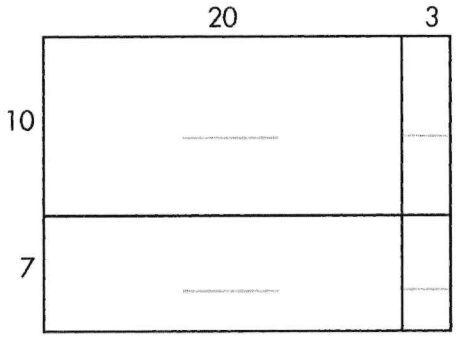
difference = subtraction

9. Four friends are flying to Orlando, Florida. About how much will the friends save by buying the less expensive fare? Explain

Round-Trip Airfare Cost	
Alpha Airlines	$714
Better Airlines	$793

area = length × width

10. Use the area model to find the partial products for 23 × 17. Then find the product.

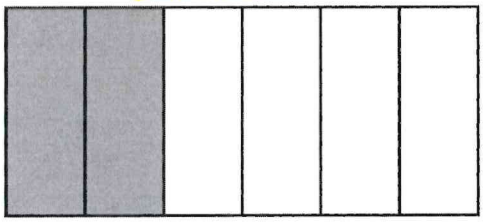


Prime numbers are whole numbers greater than 1 that cannot be made by multiplying other whole numbers.

11. Todd uses 21 white tiles and some black tiles to make a mosaic. The mosaic has a total area of 144 square centimeters. Each tile has an area of 3 square centimeters. How many black tiles did Todd use? Explain.

S1 (multiply)	S2 (subtract)	S3 (divide)

12. Use the model to help write a fraction equivalent to $\frac{2}{6}$. Explain.



$\frac{2}{6} =$

13. Estimate the quotient.

582 ÷ 8

14. Jon finds two prime numbers between 70 and 80. What are these two numbers?

A 71 and 74 **C** 77 and 79

B 73 and 77 **D** 71 and 73

15. Jamal carved 57 spoons on Saturday and 42 spoons on Sunday. He sells 3 spoons per package at a craft fair. How many packages of spoons did Jamal make? Explain.

S1 (add)	S2 (divide)

16. Jeanne will use more than $\frac{2}{4}$ cup of sugar but less than 1 cup of sugar for a recipe. Which benchmark fraction of a cup does Jeanne use?

A $\frac{1}{2}$

B 1

C $\frac{1}{4}$

D $\frac{3}{4}$

What fraction is greater than 2/4 but less than 1 whole?

Think about what number close to 55 can be divided by 7?

17. A Estimate 55 ÷ 7.

18. At the end of a game, the Wildcats have 2 points and the Lancers have 6 points. Cassie says the Lancers scored 4 more points than the Wildcats. Mark says the Lancers scored 3 times as many points as the Wildcats. Who is correct? Explain.

A Cassie is correct. I subtracted 2 from 6 and got 4, so Cassie is correct.

B Mark is correct. I multiplied 2 by 3 and got 6, so Mark is correct.

C Neither are correct. I multiplied 4 by 2 and got 8, so Cassie is incorrect. I subtracted 3 from 6 and got 3, so Mark is incorrect.

D Both are correct. I subtracted 2 from 6 and got 4, so Cassie is correct. I multiplied 2 by 3 and got 6, so Mark is correct.

19. A What is 75 divided by 5?

A 10
B 15
C 25
D 30

B. Which equation shows a way to check your answer in **A**?

A $80 - 5 = 75$
B $15 \times 5 = 75$
C $30 + 5 = 35$
D $70 \div 5 = 14$

20. Use benchmark fractions to compare $\frac{5}{6}$ and $\frac{4}{10}$. Explain.

$\frac{5}{6}$ ◯ $\frac{4}{10}$

21. Name three numbers that are multiples of 3 and multiples of 4.

22. A What is 132 divided by 6?

B Which equation shows a way to check your answer in **A**?

A $6 \div ? = 132$
B $132 \times ? = 6$
C $6 \times ? = 132$
D $6 + ? = 132$

B. Which of the following is an equivalent fraction to $\frac{2}{3}$?

A $\frac{1}{3}$

B $\frac{6}{9}$

C 1

D $\frac{4}{9}$

$\frac{2}{3} = \frac{?}{?}$

24. A. Use number sense and place value to divide 455 by 5.

A 100

B 92

C 91

D 51

455 ÷ 5

B. Which expression can you use to check your answer in **A**?

A 5 × (100 + 40)

B 5 × (90 + 5)

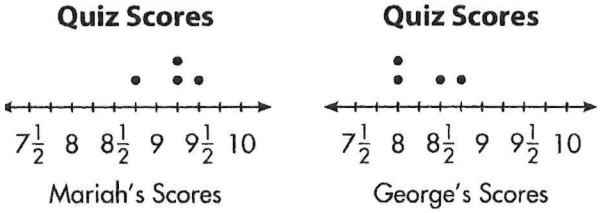
C 5 × (90 + 1)

D 90 × (10 + 5)

26. Draw a number line to show that $\frac{1}{4}$ is equivalent to $\frac{3}{12}$.

Name

worth 10 points. Mr. Daniels gives partial credit for the work that is shown. The line plots show Mariah's and George's scores on four quizzes. How much greater was Mariah's highest score than George's highest score?



$\frac{1}{4} = \frac{?}{?}$

29. Which fraction is equivalent to $\frac{1}{4}$? Explain.

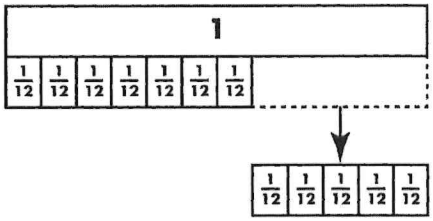
A $\frac{1}{2}$; I multiplied $\frac{1}{4}$ by $\frac{2}{1}$ to get $\frac{1}{2}$.

B $\frac{4}{12}$; I multiplied $\frac{1}{4}$ by $\frac{4}{3}$ to get $\frac{4}{12}$.

C $\frac{2}{8}$; I multiplied $\frac{1}{4}$ by $\frac{2}{2}$ to get $\frac{2}{8}$.

D $\frac{5}{16}$; I multiplied $\frac{1}{4}$ by $\frac{5}{4}$ to get $\frac{5}{16}$.

3. What subtraction problem did Andrea show using the fraction strips below?



1. In Mr. Daniels' class, all quizzes are

Name

4. Patrick compares two amounts of money. Is the comparison correct? Explain.

$23.15 > $25.84

5. Erin buys a jewelry set for $27.63. She pays with two $20 bills. List Erin's change using the least number of coins and bills. Draw or use coins and bills to solve. What will Erin's change be?

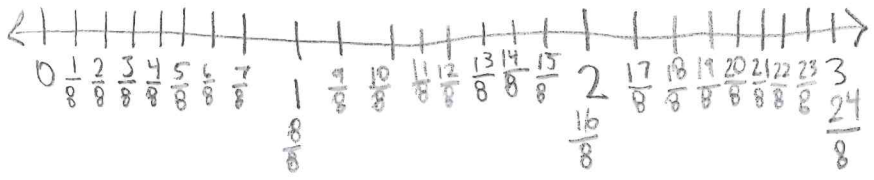
6. Four friends want to run 4 miles total. If they have run $2\frac{1}{8}$ miles so far, which shows how much each friend could have run? Which equation adds up to be 17/8

A $\frac{1}{8}$ $\frac{1}{8}$ $\frac{3}{8}$ $\frac{4}{8}$

B $\frac{6}{8}+\frac{2}{8}+\frac{5}{8}+\frac{4}{8}$

C $\frac{2}{8}+\frac{4}{8}+\frac{2}{8}+\frac{8}{8}$

D $\frac{2}{8}+\frac{4}{8}+\frac{4}{8}+\frac{4}{8}$



7. **A.** Select all the expressions that represent the following: Peter walked $\frac{5}{8}$ mile each day for 10 days.

- ☐ $10 \times \frac{5}{8}$
- ☐ $10 \times \frac{1}{8}$
- ☐ $5 \times 2\frac{2}{8}$
- ☐ $10 \times 5 \times 8$
- ☐ $\frac{5}{8} + \frac{5}{8} + \frac{5}{8} + \frac{5}{8} + \frac{5}{8} + \frac{5}{8} + \frac{5}{8} + \frac{5}{8} + \frac{5}{8} + \frac{5}{8}$.

B. How far did Peter walk in all?

8. Timothy completed a bicycle course to raise money for an animal shelter in his community. It took him $3\frac{3}{6}$ hours to complete the first part of the course, $2\frac{5}{6}$ hours to complete the second part of the course, and $1\frac{2}{6}$ hours to complete the last part of the course. How long did it take Timothy to complete the entire course?

$\frac{21}{6} + \frac{17}{6} + \frac{8}{6} = \frac{\quad}{6} =$

* When adding fractions with the same denominator, add the numerators.

10. Andrew works in a law office. One day, he spent 2 hours 13 minutes answering phone calls, 1 hour 47 minutes returning emails, and 3 hours 26 minutes preparing presentations. How long did Andrew work?

11. Larry measures an object's mass in grams. Which of the following objects is he most likely measuring?

A A lemon

B A car

C A surfboard

D A horse

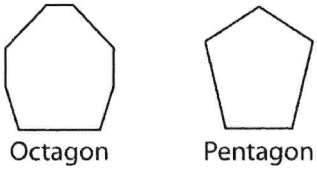
1 yard = 3 feet

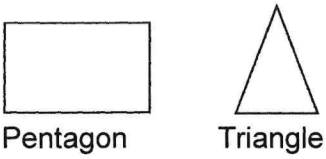
12. Marco has 2 pieces of rope that are each 8 yards long. How many feet of rope does Marco have? Explain.

S1

S2

13. A. Which figure below has more than one line of symmetry?



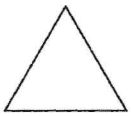


A Octagon **C** Rectangle
B Pentagon **D** Triangle

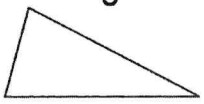
B. What is the total number of lines of symmetry for all of the figures shown in **A**?

14. A. Diego draws an example of a right triangle. Which triangle could be Diego's drawing?

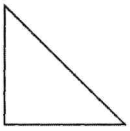
A



C



B



D

B. What type of triangle is shown the most in the answer choices in **A**?

A Acute triangle
B Right triangle
C Obtuse triangle
D Equilateral triangle

15. A. Complete the table to show the number of triangles in each figure if the pattern shown continues.

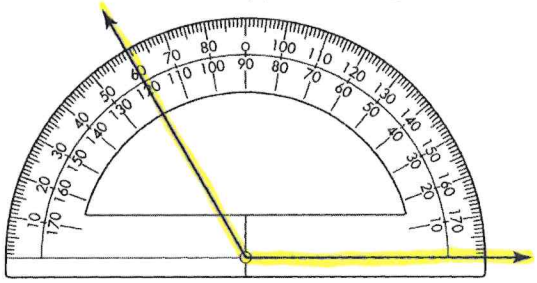
Rule:

$1 \times 1 = 1$ $2 \times 2 = 4$ $3 \times 3 = 9$

Figure	7	9	11	13
Triangles		81		

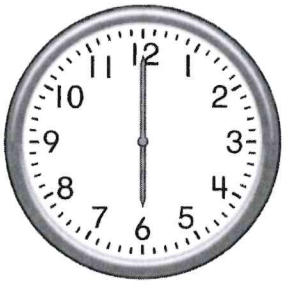
B. Write the rule for the number of triangles in words.

16. Which is the measure of the angle shown? What type of angle is it?



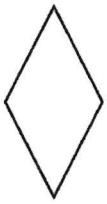
A 60°; acute **C** 140°; acute
B 120°; obtuse **D** 180°; obtuse

17. What is the measure of the angle formed by the hands of the clock?



A 45°
B 90°
C 180°
D 360°

18. What are all the names that could be used for the shape below? Explain.



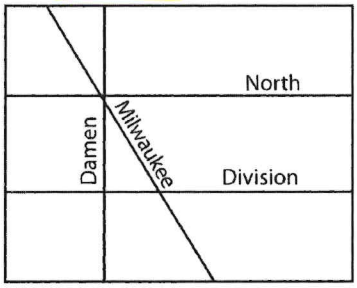
A Quadrilateral, trapezoid; the shape appears to have 1 pair of parallel sides.

B Quadrilateral, parallelogram, rectangle; the shape appears to have 2 pairs of parallel sides and 4 right angles.

C Quadrilateral, parallelogram, rhombus; the shape appears to have 2 pairs of parallel sides and 4 sides of equal length.

D Quadrilateral, parallelogram, square; the shape appears to have 2 pairs of parallel sides of equal length and 4 right angles.

19. Which streets on the map appear to be parallel to each other?

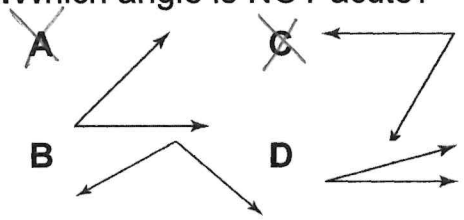


A North and Damen
B North and Milwaukee
C Milwaukee and Division
D Division and North

20. Remy wanted to measure the angle of a slide at the playground. He used a sheet of folded paper that formed a 25° angle. He measured and found that two of the folded paper angles would fit in the angle made by the slide and the ground. What was the angle of the slide? Write an equation modeling Remy's work.

A 45° × 3 = 75°
B 25° × 2 = 50°
C 25° + 20 = 45°
D 15° × 3 = 30°

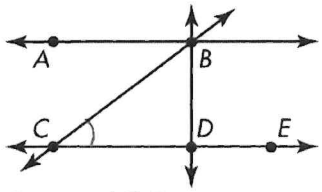
21. A. Which angle is NOT acute?



B. What type of angle is not shown in the answer choices for **A**?

acute: ∠
obtuse: ∠
right: ∟

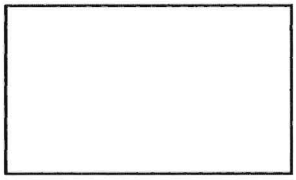
22. Which angle below is an acute angle?



A *ABD*

C *BCD*

23. The perimeter of the rectangle shown below is 28 centimeters.



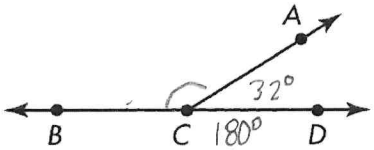
What is the area of the rectangle?

Explain.

perimeter = l + w (2)
l + w + l + w

area = l × w

24. $\angle ACD$ measures 32°. Which equation gives the measure of ABC?



A 100° + 32° = 132°

B 180° – 32° = 148°

C 90° + 32° = 122°

D 90° × 2 = 180°

25. A. Seth's book weighs 3 pounds, and his pencil case weighs 4 ounces. Which is the total weight of the book and pencil case in ounces?

1 pound = 16 ounces

3 × 16 + 4

A 7 ounces

B 34 ounces

C 48 ounces

D 52 ounces

B. For a different class, Seth's book weighs only half as much. What is the total weight of the second book and his pencil case?

A 1 pound 10 ounces

B 1 pound 12 ounces

C 2 pounds 4 ounces

D 3 pounds 2 ounces

Name

27. Rolland says that if two rectangles have different perimeters, they must also have different areas. Does Rolland's reasoning make sense? Explain.

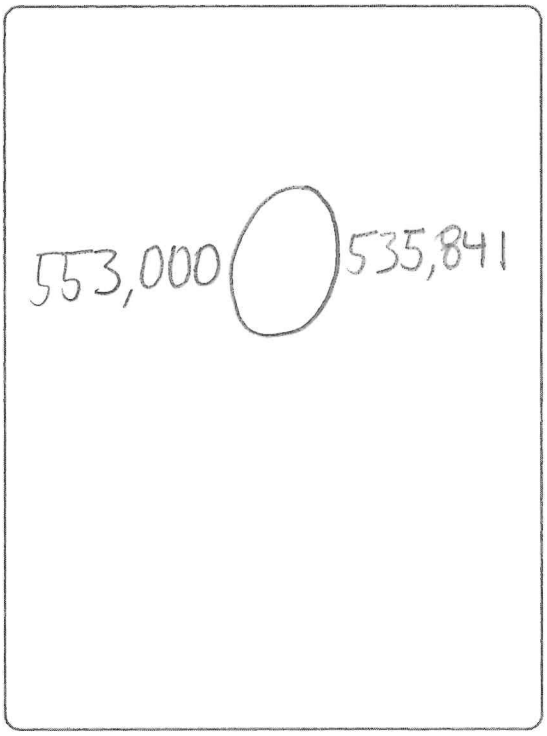
1. A Kim wrote 57,604 in expanded form. Which number is **NOT** one of the numbers that Kim wrote?

A 50,000 **C** 60
B 7,000 **D** 4

B. Write 57,604 using number names.

A fifty thousand, six hundred
B five thousand, seven hundred sixty-four
C fifty-seven thousand, six hundred four
D fifty-seven thousand, six hundred forty

2. Compare 553,000 and 535,841 using <, =, or >. Construct a math argument to support your answer.



Name

3. Complete the calculation using the numbers from the box. Use each number once.

$$\begin{array}{r} 2,563 \\ \times \quad 9 \\ \hline \square 7 \\ 5\square 0 \\ 4,\square 00 \\ \square\square,000 \\ \hline 2\square,\square6\square \end{array}$$

0	1
2	3
4	5
7	8

4. The table shows the number of movie tickets sold during four weeks at the theater. How many more tickets were sold the first week than in the third and fourth weeks combined? Explain.

Movie Tickets Sold	
Week 1	221,671
Week 2	174,002
Week 3	98,653
Week 4	41,208

S1 S2

5. The product of two factors is 6,300. If one of the factors is 9, what is the other factor? Explain.

9 x ___ = 6,300

6. Find the sum.
131,413 + 178,654 + 216,749

A 526,816
B 417,706
C 348,162
D 310,067

7. Four friends want to book a threenight trail ride on horses. The guided trip costs $962 per person, plus $247 per person for the meal plan. Estimate the total cost of the trip. Explain.

S1 (add)

S2 (multiply)

___ x 4 =

9. **A** Which place value do you use to compare 437,812 and 432,729?

In which place values are the numbers different?
A) hundred thousands
B) ten thousands
C) thousands
D) hundreds
E) tens
F) ones

B Which of the following compares 437,812 and 432,729 correctly?

A 437,812 > 432,729
B 437,812 < 432,729
C 437,812 = 432,729
D 432,729 > 437,812

10. For 1,800 - 1,558, the following was written.

1,800 minus 1,500 is 300. Then you can subtract 60 more and get 240. But, you should have only subtracted 58 more, so add 2 back to the difference to get 242.

1800 - 1558
↓
1800 - 1500
= ____
- 58 =
____

Which mental math strategy was used?

A Breaking Apart
B Compensation
C Counting On
D Commutative Property

11. A high school has 4 display cases for sports trophies and 2 display cases for academic trophies. Each sports display case can hold up to 65 trophies. Each academic display case can hold up to 88 trophies. How many trophies can the school display?

S1
Multiply to find how many sports trophies?

S2
Multiply to find how many academic trophies?

S3
Add sports and academic to find total number of trophies.

13. What is the difference of 66,485 and 37,831?

A 104,316
B 31,454
C 28,654
D 28,314

66,485
-37 831
____

17. Angela's model used 4 times as many blocks as Miranda's model. Miranda's model used 168 blocks. George's model used 592 blocks. Who used more blocks, Angela or George? Explain.

S1 → multiply S2 subtract

15. The longest ladder on the fire truck reaches 95 feet. A building has 20 stories, and each story is 18 feet high. What is the highest story that the ladder can reach?

A 5th story
B 6th story
C 10th story
D 18th story

Ladder reaches 95 feet. 18 feet per story. Highest story the ladder could reach?

18. Select all of the expressions that have a value of 368.

- ☐ 23 × 16
- ☐ 23 × 18
- ☐ (16 × 20) + (16 × 3)
- ☐ (18 × 20) + (18 × 3)
- ☐ 16 + 20 + 20 + 20 + 20

16. Write three numbers that round to 38,000 when rounded to the nearest thousand.

20. How many zeros will be in the product of 4 × 500? Explain.

4 × 500 =

How many zeros in the product?

21. Create an area model to represent 14 × 17. Find the product.

14 × 17 =

23. What is the product of 42 and 5?

A Draw a picture to represent the problem. Draw an array

B Write and solve an equation to determine the product.

24. Each year, Rochelle bakes pies to donate to a shelter. Throughout the year, she baked 22 pumpkin pies, 35 apple pies, and 17 blueberry pies. Each pie was cut into 10 equal slices. How many slices of pie did Rochelle donate to the shelter?

A 74 slices
B 222 slices
C 740 slices
D 2,220 slices

S1 : add pies

S2 : multiply by number of slices in each pie

25. Find the difference.
706 – 259

B Find the product of 9 × 286.

$$\begin{array}{r} 286 \\ \times\ 9 \\ \hline \end{array}$$

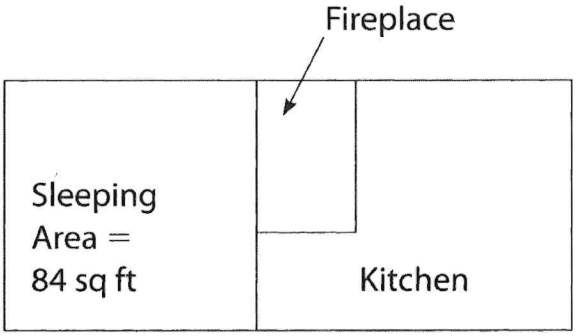
27. Lucas baked 18 dozen chocolate chip cookies and 15 dozen peanut butter cookies. About how many cookies did Lucas bake?

A 400
B 270
C 150
D 30

S1: multiply chocolate chip
S2: multiply peanut butter
S3: add

1 dozen = 12

30. Michelle's group made a scale drawing of a cabin for a school project. The sleeping area is four times as many square feet as the fireplace. The kitchen is 21 square feet larger than the sleeping area. How much area do the fireplace and the kitchen each have? Explain.



fireplace area = 84 ÷ 4
Kitchen area = 84 + 21
Total area of kitchen and
fireplace area =