4-7 Name _____ Date _____

Homework

Use an equation to solve. *Show your work.*

1. The soccer club has 127 members. The baseball club has 97 members. Both clubs will meet to discuss a fundraiser. The members will be seated at tables of 8 members each. How many tables will they use?

_____

2. A hardware store pays $3,500 for 42 lawnmowers. Then the store sells the lawnmowers for $99 each. How much profit does the store make from the lawnmower sales?

_____

3. George buys a set of 224 stamps. He gives 44 stamps to a friend. Then he places the remaining stamps into an album with 5 stamps on each page. How many pages does he fill in his album?

_____

4. Shane and his family go to the movie theater and buy 6 tickets for $12 each. Then they spend a total of $31 for popcorn and drinks. How much did Shane and his family spend for tickets, popcorn and drinks at the movie theater?

_____

5. Last year, 226 people attended the school graduation ceremony. This year, the school expects 125 more people than last year. The school has arranged for a van to transport people from the parking area to the ceremony. Each van holds 9 people. How many trips will the van make?

_____

4-7 Name _____ Date _____

Remembering

Solve each multiplication problem, using any method. Use rounding and estimation to check your work.

1. 22×58 _____

2. 34×91 _____

3. 63×72 _____

4. 17×56 _____

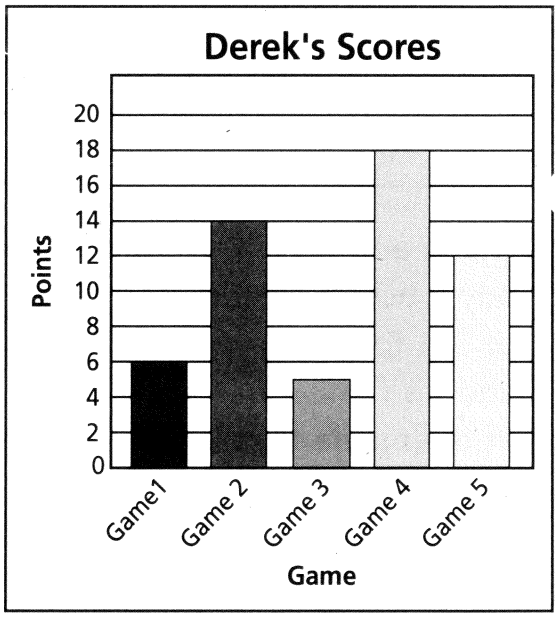
Solve by using any method. Then check your answer by rounding and estimating.

5. $9\overline{)39}$

6. $4\overline{)168}$

7. $5\overline{)4{,}204}$

The graph shows the number of points Derek scored during his first five basketball games.



8. Write a multiplication equation and a division equation that compare the number of points Derek scored during Game 1 (x) to the number of points Derek scored during Game 4 (y).

_____

9. Stretch Your Thinking There will be 138 people at a fundraising auction. Each table seats six. An additional 3 tables are needed to display the auction items. What is the minimum number of tables that are needed for the fundraiser? Which equation *cannot* be used to answer this question? Explain.

$138 \div (6 + 3) = t$ $(138 \div 6) + 3 = t$

_____

_____

_____

_____

4-8 Name _____ Date _____

Homework

Use an equation to solve. *Show your work.*

1. Rosa and Kate both went shopping. Kate bought a jacket for $45 and boots for $42. Rosa bought jeans for $27, a sweater for $22, and sneakers. They both spent the same exact amount of money. How much were Rosa's sneakers?

   _____

2. Kyle works at a bakery on weekends. On Saturday, Kyle needs to make 120 muffins. Each recipe makes 8 muffins and uses 2 cups of flour. On Sunday, he needs to bake a large batch of cookies that uses 6 cups of flour. How many cups of flour will Kyle use to bake the muffins and the cookies?

   _____

3. A toy factory made 715 small stuffed bears and packed them in boxes with 5 bears in each box. Then they made 693 large stuffed bears and packed them in boxes with 3 bears in each box. All the boxes of small and large stuffed bears are loaded into a truck for delivery. How many boxes are loaded into the truck?

   _____

4. Last summer, Chris went to Europe and bought postcards from the cities he visited. In France, he visited 6 cities and bought 11 postcards in each city. In Italy, he visited 7 cities and bought 9 postcards in each city. In Spain, he visited 10 cities and bought 15 postcards in each city. How many postcards did Chris buy in Europe?

   _____

5. Three fourth grade classes went on a field trip to see a play. Each class had 19 students and 2 adults attending. The rows in the playhouse each seat 9 people. How many rows did the fourth grade classes and adults take up at the playhouse?

   _____

4-8 Name _____ Date _____

Remembering

Add or subtract.

1. 9,000 − 5,613

2. 317,492 + 36,057

3. 659,741 − 652,438

Solve. Then explain the meaning of the remainder.

4. Jessica needs to bake 50 muffins. Her baking pan holds 12 muffins. How many rounds of baking will she need to do?

_____

_____

_____

_____

_____

Use an equation to solve. *Show your work.*

5. At the fair, Hannah bought her family 5 hot dogs for $3 each and a pitcher of lemonade for $6. How much money did she spend in all?

_____

6. Reggie is keeping 7 of his 31 stuffed animals and splitting the remainder of his collection evenly among his 3 younger sisters. How many stuffed animals does each sister get?

_____

7. Stretch Your Thinking Write a word problem using the equation ($60 + $3 − $15) ÷ $4 = w. Then solve the equation to solve the problem.

_____

_____

_____

_____

_____

_____

4-9 Name _____ Date _____

Homework

Solve each problem.

1. $5 \times 7 + 9 = t$

_____

2. $9 \times (1 + 3) = m$

_____

3. $7 - 2 \times 2 = k$

_____

4. $(7 \times 2) + (4 \times 9) = w$

_____

5. $(7 - 2) \times (3 + 2) = r$

_____

6. $8 \times (12 - 7) = v$

_____

7. Whitney and Georgia are at the snack bar buying food for their family. Sandwiches cost $4 each. Salads cost $2 each. How much money will it cost them to buy 5 sandwiches and 7 salads?

_____

8. Lisa put tulips and roses into vases. Each vase has 12 flowers. The red vase has 7 tulips. The blue vase has twice as many roses as the red vase. How many roses are in the blue vase?

_____

9. Pam has 9 bags of apples. Each bag contains 6 apples. There are 3 bags of red apples and 1 bag of green apples. The rest of the bags contain yellow apples. How many more yellow apples are there than red apples?

_____

10. Clay works on a farm. He packaged eggs into containers that hold 1 dozen eggs each. He filled 4 containers with white eggs and 5 containers with brown eggs. How many eggs did Clay collect? Hint: one dozen eggs = 12 eggs

_____

4-9 Name _____ Date _____

Remembering

Subtract. Show your new groups.

1. 3,146 − 1,960

2. 7,504 − 2,738

3. 6,000 − 5,241

Solve using any method and show your work.
Use estimation to check your work.

4. 23 × 88 _____

5. 71 × 49 _____

6. 62 × 67 _____

7. 15 × 38 _____

Use an equation to solve.

8. An audio book is made up of 8 CDs. Each of the first 7 CDs is 42 minutes long and the final CD is 26 minutes long. Mark plans to listen to the book the same number of minutes for 8 days. How many minutes each day will Mark listen to the audio book?

_____

9. Stretch Your Thinking A sign shows the price per pound for several bulk food items. Use the information to write a word problem that requires at least 3 steps to solve. Then solve your problem

_____

_____

_____

_____

_____

_____

_____

Food Item	Cost per pound
mixed nuts	$5
dried fruit	$3
snack mix	$7
wild rice	$2
red lentils	$4

4-10 Name _____ Date _____

Homework

List all the factor pairs for each number.

1. 49

_____

2. 71

_____

3. 18

_____

4. 57

_____

Write whether each number is *prime* or *composite*.

5. 50

_____

6. 29

_____

7. 81

_____

8. 95

_____

9. 19

_____

10. 54

_____

Tell whether 6 is a factor of each number. Write *yes* or *no*.

11. 6

_____

12. 80

_____

13. 36

_____

14. 72

_____

Tell whether each number is a multiple of 8. Write *yes* or *no*.

15. 64

_____

16. 32

_____

17. 88

_____

18. 18

_____

Use the rule to complete the pattern.

19. Rule: skip count by 11

11, 22, _____, _____, 55, _____, _____, 88, 99

20. Rule: skip count by 9

9, _____, 27, _____, 45, _____, 63, _____, 81, _____

21. Rule: skip count by 8

8, 16, 24, _____, _____, _____, _____, 64, 72, _____

4-10 Name _____ Date _____

Remembering

Draw a rectangle model. Solve using any method that relates to the model.

1. $8 \times 1{,}593$ _____

2. $3 \times 6{,}247$ _____

Use the correct operation or combination of operations to solve the problem.

3. Melina has 4 sheets of wacky face stickers with 24 stickers on each sheet. Melina cuts each sticker individually from the sheet. She then divides them evenly into 3 piles to give to friends. How many stickers are in each pile?

_____

Solve.

4. $5 \times 4 + 7 = g$ _____

5. $(3 \times 7) + (2 \times 10) = h$ _____

6. $16 - (5 \times 3) = m$ _____

7. $(9 - 3) \times (2 + 7) = l$ _____

8. $(12 - 8) + (3 \times 3) = p$ _____

9. $(24 \div 4) + 19 = t$ _____

10. **Stretch Your Thinking** Use *prime* or *composite* to complete the sentence. Then explain your choice.
All even numbers greater than 2 are _____.

_____

_____

_____

_____

_____

4-11 Name _____ Date _____

Homework

Use the rule to find the next three terms in the pattern.

1. 2, 6, 18, 54, ...

Rule: multiply by 3

_____

2. 115, 145, 175, 205, 235, ...

Rule: add 30

_____

Use the rule to find the first ten terms in the pattern.

3. First term: 12 Rule: add 25

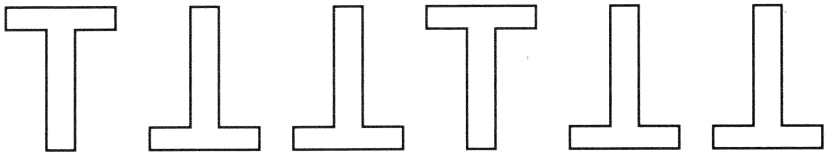
_____

Make a table to solve.

4. Jay saves $2 in June, $4 in July, $6 in August, and $8 in September. If the pattern continues, how much money will Jay save in December?

_____

Describe the next term of each pattern.

5. 

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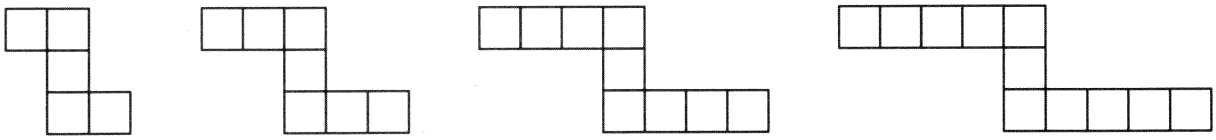
6. 

_____

_____

4-11 Name _____ Date _____

Remembering

Subtract.

1. 491,562
− 208,723

2. 392,119
− 48,319

Solve. *Show your work.*

3. Sid unpacks 8 cartons of paper clips. Each carton contains 3,500 paper clips. How many paper clips is this altogether?

_____

4. Camille unpacks 102 boxes of red pens and 155 boxes of blue pens. Each box contains 8 pens. How many pens does she unpack altogether?

_____

List all of the factor pairs for each number.

5. 55 _____

6. 14 _____

7. Stretch Your Thinking During the first week of the year, Angelina's dad gives her $10 and says that he will give her $10 more each week for the rest of the year. At the end of the year, how much money will Angelina receive from her dad? (Hint: 1 year = 52 weeks) Make a table to show the pattern, and explain your answer.

_____

_____

_____

_____

_____

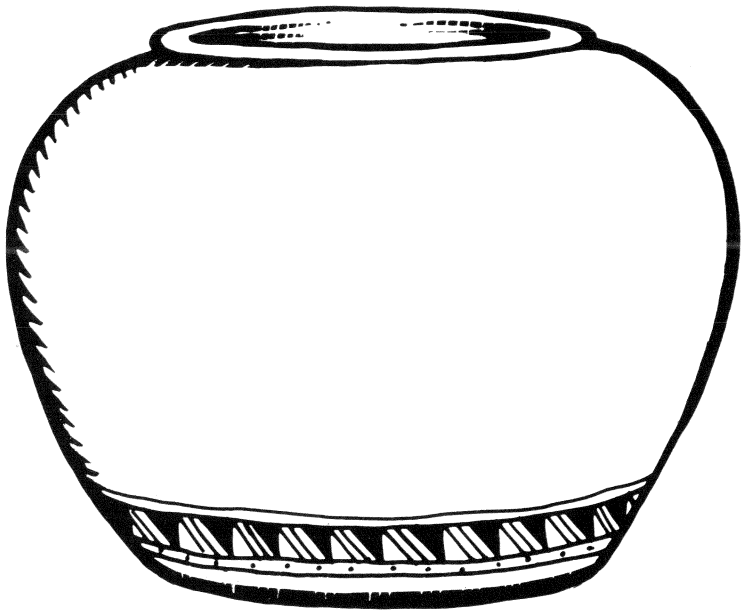
4-12

Homework

Name _____ Date _____

1. Design the blank pot below by drawing a pattern that meets the following conditions.

   - At least three different shapes are used.
   - The pattern begins with a square or a circle.
   - The pattern is repeated at least two times.
   - At least two different colors are used.



2. Describe your pattern.

   _____

   _____

3. Suppose 184 students from Wilson Middle School complete this page at home. If each student draws 9 shapes on his or her pot, how many shapes in all would be drawn?

   _____

4-12 Name _____ Date _____

Remembering

Add or subtract.

1. 8,500 − 1,265

2. 24,187 − 14,856

3. 683,519 + 292,744

Solve using any method and show your work. Check your work with estimation.

4. 19 × 82

5. 649 × 3

6. 2,934 × 8

Use the rule to find the next five terms in the pattern.

7. 3, 6, 12, 24, ...
Rule: multiply by 2

_____

8. 25, 60, 95, 130, ...
Rule: add 35

_____

Use the rule to find the first ten terms in the pattern.

9. First term: 18 Rule: add 12

_____

10. Stretch Your Thinking For a cookie exchange, Kaiya bakes 2 pans of 12 chocolate chip cookies each, 3 pans of 16 lemon drops each, and 4 pans of 10 peanut butter cookies each. She is dividing the cookies into 8 tins, with an equal number of each type of cookie in each tin. How many of each type of cookie will be in each tin? How many cookies in all will be in each tin? Explain.

_____

_____

_____

_____