Name _____

Review 1

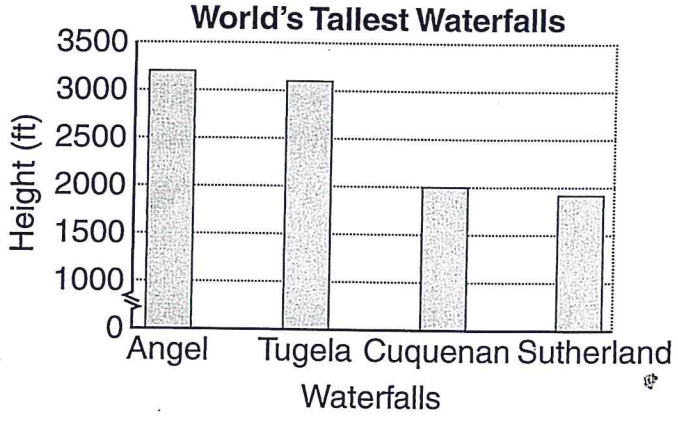
Summer between 4th and 5th Grade

Interpreting Data

The **bar graph** shows the heights of the world's tallest waterfalls. Lengths of bars represent heights of waterfalls.

What is the tallest waterfall?

Angel Falls is the tallest.



Use the graphs to answer each question.

1. What is the maximum life span of a jaguar? _____

2. Which animal has a life span of 13 years? _____

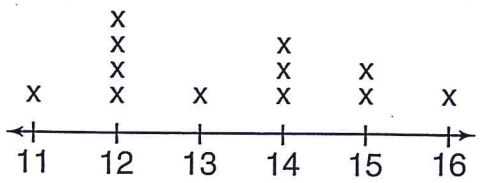
3. How would you show 10 years? Draw the symbol. _____

Maximum Life Span

Goat	○○○○◡
Jaguar	○○○○○◔
Salmon	○○○◁

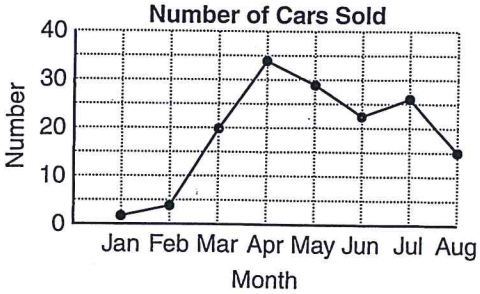
○ = 4 years

Heights of Giraffes (nearest ft)



4. What was the most common giraffe height? _____

5. How many giraffes were 15 ft tall? _____



6. In which month were the most cars sold? _____

7. How many cars were sold in March? _____

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Review 2

Problem Solving: Skills

Yasmin set up 5 rows of 4 computers in the computer room. How many computers did she set up?

The question says Yasmin set up 5 rows with 4 computers in each row. I will use **multiplication.**

Solution: **5 × 4 = 20. Yasmin set up 20 computers.**

Write which operation you would use to solve each problem. Then solve.

1. During the **31 nights** of October, Keith kept track of his sleep. He slept a total of **279 hours.** How many hours of sleep did he **average** each night?

   _____ _____

2. The tallest building in Chicago, Sears Tower, is 1,454 ft tall. The tallest building in Dallas, Nations Bank Plaza, is 921 ft tall. How much taller than Nations Bank Plaza is Sears Tower?

   _____ _____

3. It takes the planet Mercury 88 days to orbit the sun. It takes Jupiter about 49 times that long. About how long does it take Jupiter to orbit the sun?

   _____ _____

4. Kirsten bought a TV set for $298 and a VCR for $149. How much did she spend for both items?

   _____ _____

5. Tania budgeted $105 a week for food. How much can she spend on food each day?

   _____ _____

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Review 3

Place Value Through Millions

Greater numbers can be written in three ways.

standard form	537,802,600
word form	**Five** hundred **thirty-seven** million, **eight** hundred **two** thousand, **six** hundred.
expanded form	500,000,000 + 30,000,000 + 7,000,000 + 800,000 + 2,000 + 600

Write the word name for each number.

1. 774,629,315 _____

_____

2. 415,394 _____

_____

Write the standard form for each number.

3. eighty-five million, three hundred forty-four thousand, twenty-nine

_____

4. ninety million, sixty-eight thousand, two hundred eighty _____

5. five hundred fifty-six thousand, eight hundred one _____

Write the expanded form of each number.

6. 37,960,044 _____

_____

7. eight million, one hundred fifty thousand, eleven

_____

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Review 4

Adding and Subtracting Whole Numbers

Find 374 + 581.

Add ones.	*Add tens. Regroup.*	*Add hundreds.*
374 +581 5	1 374 +581 55	1 374 +581 955

Find 409 − 184.

Subtract ones.	*Regroup. Subtract tens.*	*Subtract hundreds.*
409 −184 5	3 10 ~~4~~ ~~0~~9 −184 25	3 10 ~~4~~ ~~0~~9 −184 225

Find each sum or difference.

1. 1
66
+429
5

2. 6 12
~~6~~ ~~7~~ ~~2~~
−255
7

3. 709
+551

4. 849
−470

5. 61
+388

6. 789
+556

7. 403
−198

8. 970
−255

9. 328
−109

10. 870
−444

11. 32
406
+888

12. 900
844
+ 66

13. There are 415 students at Lincoln School this year. Last year there were 387 students. How many more students are there this year than last year? _____

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Review 5

Multiplication and Division Facts

Ben bought tickets to the ice-skating rink for himself and his friends. The total cost for 8 tickets was $32. How much did each ticket cost?

To solve, find 32 ÷ 8. **Think:** 8 times what number equals 32?

$8 \times \mathbf{4} = 32$

$32 \div 8 = \mathbf{4}$

Each ticket cost $4.

Find each product or quotient.

1. 49 ÷ 7 = ___ **2.** 6 × 4 = ___ **3.** 7 × 4 = ___ **4.** 63 ÷ 9 = ___

5. 9 ÷ 9 = ___ **6.** 42 ÷ 6 = ___ **7.** 6 × 8 = ___ **8.** 9 × 4 = ___

9. 9 × 7 = ___ **10.** 35 ÷ 7 = ___ **11.** 5 × 6 = ___ **12.** 32 ÷ 8 = ___

13. $\begin{array}{r} 7 \\ \times 1 \\ \hline \end{array}$ **14.** $\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$ **15.** $\begin{array}{r} 9 \\ \times 6 \\ \hline \end{array}$ **16.** $\begin{array}{r} 0 \\ \times 8 \\ \hline \end{array}$

17. $6\overline{)54}$ **18.** $8\overline{)40}$ **19.** $9\overline{)45}$ **20.** $7\overline{)56}$

21. Marsha makes decorative candles. She packs the candles 6 to a box. Last week she made 42 candles. How many boxes did she need? _____

22. Shiji walks 5 miles each day. How many miles does she walk each week? _____

23. Rose bought 3 books for $24. If each book was the same price, how much did each book cost? _____

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Name _____

Review 6

Multiplying by 1-Digit Factors

Find 4×168.

Multiply the ones. Regroup.	*Multiply the tens. Add any extra tens. Regroup.*	*Multiply the hundreds. Add any extra hundreds.*
$\overset{3}{1}68 \times 4 = 2$	$\overset{2\,3}{1}68 \times 4 = 72$	$\overset{2\,3}{1}68 \times 4 = 672$

Find each product.

1. $\overset{1}{1}23 \times 6 = 8$
2. 244×2
3. 153×5
4. 300×6
5. 613×4
6. 502×7
7. 336×4
8. 709×6
9. 811×9
10. 460×5
11. 622×8
12. 289×3
13. 444×7
14. 802×8
15. 367×5
16. 987×6

17. Mr. Reid bought 5 printers for the computer lab. Each printer cost $349. Find the total cost. _____

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Review 7

Multiplying by 2-Digit Factors

Find 63 × 74.

Multiply the ones. Regroup.	*Multiply the tens. Regroup.*	*Add the partial products.*
$\overset{1}{\mathbf{63}}$ × 74 **252** ← 4 × 63	$\overset{2}{\mathbf{63}}$ × **7**4 252 **4410** ← 70 × 63	63 × 74 **252** **4410** **4,662** ← 252 + 4410

Find each product.

1. $\overset{1}{\mathbf{23}}$
× 75
115 ← 5 × 23
\+ ____ ← 70 × 23

2. 38
× 26
← 6 × 38
\+ ____ ← 20 × 38

3. 35
× 16

4. 44
× 30

5. 58
× 18

6. 73
× 27

7. 81
× 19

8. 50
× 41

9. 94
× 63

10. 66
× 29

11. A box contained 36 books. Each book sold for $29. Find the total value of the books. _____

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Name _____

Review 8

Dividing by 1-Digit Divisors

Find 238 ÷ 7.

Since 210 ÷ 7 = 30, start the quotient in the tens place.	*Divide the tens*	*Bring down the ones. and divide.*
$7\overline{)238}$	$\begin{array}{r} 3 \\ 7\overline{)238} \\ 21 \\ \hline 2 \end{array}$ Multiply. Subtract. Compare. $2 < 7$	$\begin{array}{r} 34 \\ 7\overline{)238} \\ 21 \\ \hline 28 \\ 28 \\ \hline 0 \end{array}$ Multiply. Subtract.

Find each quotient.

1. $8\overline{)456}$

$\begin{array}{r} 5 \\ 8\overline{)456} \\ 40 \\ \hline \square\square \\ \square\square \\ \hline \end{array}$

2. $6\overline{)348}$

3. $4\overline{)832}$

4. $5\overline{)360}$

5. $6\overline{)210}$

6. $7\overline{)336}$

7. $4\overline{)332}$

8. $4\overline{)128}$

9. $9\overline{)477}$

10. $8\overline{)448}$

11. $3\overline{)117}$

12. $6\overline{)402}$

13. The Bowling League has 128 players with 4 players on each team. How many teams are there? _____

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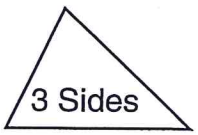
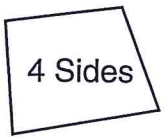
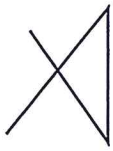
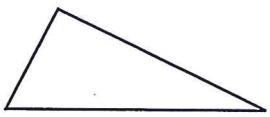
Review 9

Polygons

A polygon is a **closed shape** with **straight edges** only.

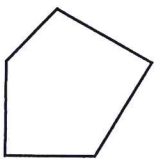
Polygons	Not Polygons
 3 Sides — Triangle  4 Sides — Quadrilateral 5 Sides — Pentagon 6 Sides — Hexagon 8 Sides — Octagon	 not a closed shape has curved edges

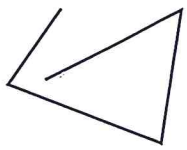
Tell if the figure is a polygon. If it is, tell what type of polygon it is.

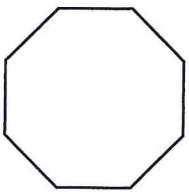
1. 

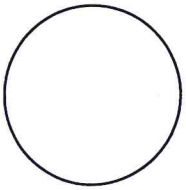
polygon

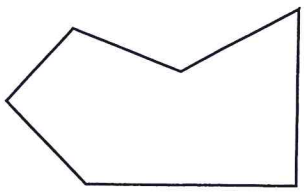
triangle

2. 

3. 

4. 

5. 

6. 

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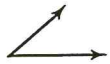
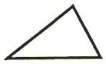
Review 10

Triangles and Angles

right angle	acute angle	obtuse angle	straight angle
			
			
right triangle	acute triangle	obtuse triangle	

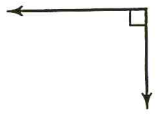
Name each angle as right, acute, obtuse, or straight.
Name each triangle as right, acute, or obtuse.

1.

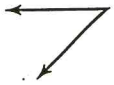
_____

2.

_____

3. 

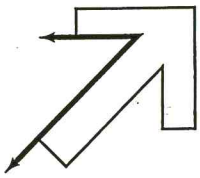
_____

4. 

_____

5.

_____

6. 

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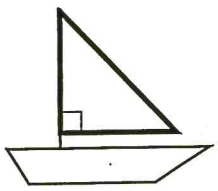
7. 

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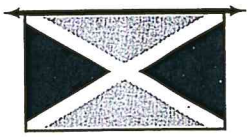
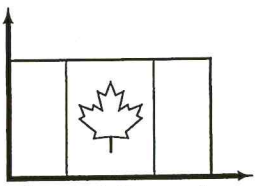
8. 

Flag of Jamaica

_____

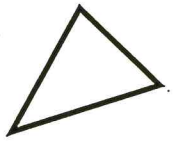
9.

_____

10. 

Flag of Canada

_____

11. 

_____

12.

_____

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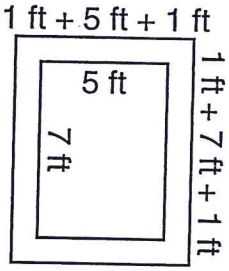
Review 11

Problem Solving: Strategies

Bess Fences made Ms. Wills a fence for her 5 foot by 7 foot garden. There was a 1 foot path between the fence and garden. What is the perimeter of the fence and the area it encloses?



The fence would be 7 ft by 9 ft.

perimeter =
$7 + 9 + 7 + 9 = 32$ ft

area =
$7 \times 9 = 63$ square feet

Problem Solving Strategies

- Act It Out
- **Draw a Picture**
- Look For a Pattern
- Try, Check, and Revise
- Make an Organized List
- Make a Table
- Solve a Simpler Problem
- Work Backward

Solve the following problems about Bess Fences. Use any strategy.

1. Mr. Fleming wanted a fence for his square patio. The area of the patio is 36 square feet. What would the perimeter of the fence be?

   perimeter = _____

2. Terri planned a fence for her pool. She asked Bess Fences to fence the largest area possible using 40 feet of fencing. What was the area?

   largest area = _____

3. Malcolm wanted to build a dog run with an area of 64 feet. What is the smallest perimeter the dog run could be?

   smallest perimeter = _____

4. Fencing costs $6 a foot. What would the least expensive fence for an area of 48 square feet cost? What would the most expensive fence for the same area cost? Each width and length must be a whole number.

   least expensive = _____ most expensive = _____

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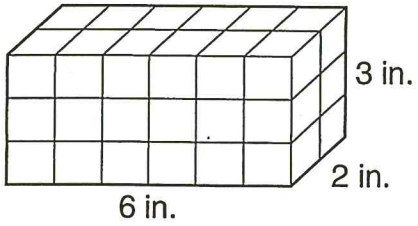
Review 12

Volume

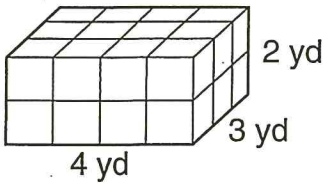
What is the volume of the rectangular prism?

Volume = length × width × height
= 6 × 2 × 3
= 36 cubic inches



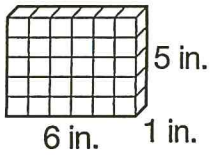
Find the volume of each rectangular prism.

1.



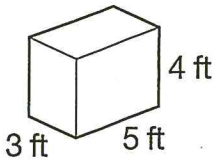
4 × 3 × 2 = _____ cubic yards

2.



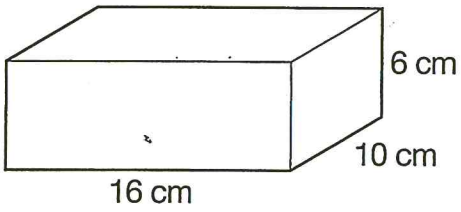
_____

3.



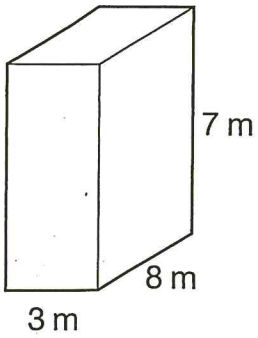
_____

4.



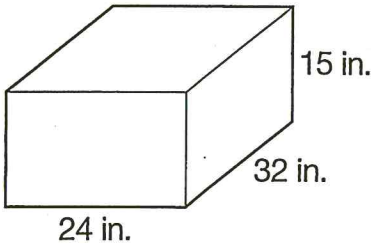
_____

5.



_____

6.



_____

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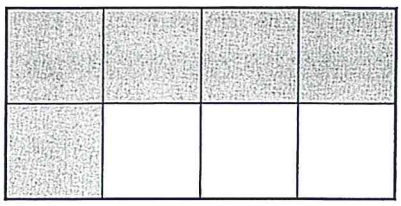
Name _____

Review 13

Fractions

Write a fraction for the shaded part.



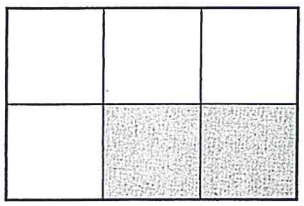
number of shaded squares → 5

number of squares → 8

The fraction is $\frac{5}{8}$.

Write a fraction for each shaded part.

1.

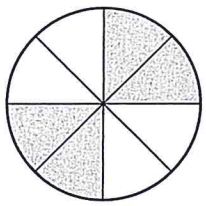


number of shaded squares → ____

number of squares → ____

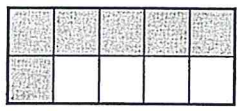
The fraction is ____.

2.



_____

3.



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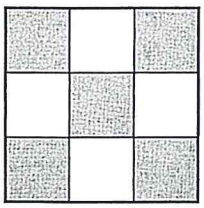
4.



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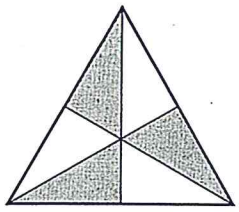

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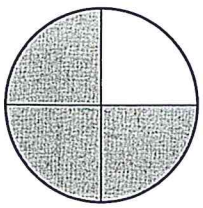

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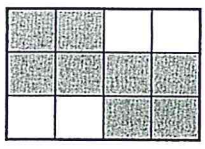

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Review 14

Adding Fractions

Add $\frac{2}{9} + \frac{5}{9}$.

If the denominators are the same, just add the numerators.	*If the denominators are unlike, find a common denominator. Then add.*
$\frac{2}{9} + \frac{5}{9} = \frac{7}{9}$	$\frac{\mathbf{2}}{\mathbf{3}} + \frac{1}{6} = \frac{\mathbf{4}}{\mathbf{6}} + \frac{1}{6} = \frac{5}{6}$

Add $\frac{2}{3} + \frac{1}{6}$.

Find the sum. Simplify your answer if necessary.

1. $\frac{3}{8} + \frac{1}{4} = \frac{\quad}{8} + \frac{\quad}{8} = \quad$

2. $\frac{1}{2} + \frac{1}{3} = \quad + \quad = \quad$

3. $\frac{4}{9} + \frac{3}{9} =$ _____

4. $\frac{7}{12} + \frac{2}{12} =$ _____

5. $\frac{3}{10} + \frac{3}{10} =$ _____

6. $\frac{1}{6} + \frac{1}{6} =$ _____

7. $\frac{2}{5} + \frac{1}{10} =$ _____

8. $\frac{1}{3} + \frac{1}{6} =$ _____

9. $\frac{5}{12} + \frac{1}{4} =$ _____

10. $\frac{1}{4} + \frac{3}{5} =$ _____

11. $\frac{1}{3} + \frac{5}{9} =$ _____

12. Meg spent $\frac{3}{8}$ hour reading and $\frac{1}{2}$ hour doing homework. What fraction of an hour did she spend reading and doing homework?

_____

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Review 15

Subtracting Fractions

Subtract $\frac{7}{10} - \frac{6}{10}$.

Subtract $\frac{7}{8} - \frac{1}{2}$.

If the denominators are the same, just subtract the numerators.	*If the denominators are unlike, find a common denominator. Then subtract.*
$\frac{7}{10} - \frac{6}{10} = \frac{1}{10}$	$\frac{7}{8} - \frac{\mathbf{1}}{\mathbf{2}} = \frac{7}{8} - \frac{\mathbf{4}}{\mathbf{8}} = \frac{3}{8}$

Find the difference. Simplify your answer if necessary.

1. $\frac{7}{8} - \frac{1}{4} = \frac{\quad}{8} - \frac{\quad}{8} = \quad$

2. $\frac{5}{6} - \frac{1}{5} = \quad - \quad = \quad$

3. $\frac{7}{8} - \frac{2}{8} =$ _____

4. $\frac{4}{6} - \frac{1}{6} =$ _____

5. $\frac{3}{4} - \frac{1}{4} =$ _____

6. $\frac{8}{11} - \frac{5}{11} =$ _____

7. $\frac{4}{5} - \frac{1}{10} =$ _____

8. $\frac{7}{9} - \frac{1}{3} =$ _____

9. $\frac{3}{4} - \frac{5}{8} =$ _____

10. $\frac{11}{12} - \frac{1}{6} =$ _____

11. $\frac{7}{15} - \frac{2}{5} =$ _____

12. A recipe calls for $\frac{3}{4}$ cup of flour, but Paul has only $\frac{3}{8}$ cup. How much more flour does he need? _____

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Review 16

Measurement

Customary Units of Measure

Length

1 foot (ft)	= 12 inches (in.)
1 yard (yd)	= 36 in.
	= 3 ft
1 mile (mi)	= 5,280 ft
	= 1,760 yd

Weight

1 pound (lb)	= 16 ounces (oz)
1 ton (T)	= 2,000 lb

Metric Units of Measure

Length

1 centimeter (cm)	= 10 millimeters (mm)
1 decimeter (dm)	= 100 mm
	= 10 cm
1 meter (m)	= 1,000 mm
	= 100 cm
	= 10 dm
1 kilometer (km)	= 1,000 m

Mass

1 gram (g)	= 1,000 milligrams (mg)
1 kilogram (kg)	= 1,000 g
1 metric ton (t)	= 1,000 kg

Complete: 9 ft = ? yd

A yard is **bigger** than a foot.

I should **divide: 9 ÷ 3 = 3.**

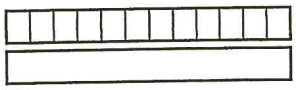
1 yard
3 feet

So, 9 ft = 3 yd.

1. 6 ft = ? in.

An inch is _____ than a foot.

I should _____ : _____ .



12 inches
1 foot

So, 6 ft = _____ in.

Complete.

2. 6 ft = ____ yd

3. 48 oz = ____ lb

4. 2,000 m = ____ km

5. 5 gm = ____ mg

6. 3 mi = ____ ft

7. 72 in. = ____ yd

8. 1,000 lb = ____ T

9. 7 m = ____ cm

10. 6 in. = ____ ft

11. 10 lb = ____ oz

12. 880 yd = ____ mi

13. 6,000 mm = ____ m

14. A circus elephant weighed 6 tons. How many pounds did it weigh?

_____

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Review 19

Dividing by 2-Digit Divisors

Find 644 ÷ 28.

Since 600 ÷ 30 = 20, start the quotient in the tens place.	*Divide the tens.*	*Bring down the ones and divide.*
$28\overline{)644}$	$\begin{array}{r} 2 \\ 28\overline{)644} \\ \underline{56} \\ 8 \end{array}$ Multiply. Subtract. Compare. 8 < 28	$\begin{array}{r} 23 \\ 28\overline{)644} \\ \underline{56} \\ 84 \\ \underline{84} \\ 0 \end{array}$ Multiply. Subtract.

Find each quotient.

1. $\begin{array}{r} 2 \\ 11\overline{)242} \\ \underline{22} \end{array}$

2. $28\overline{)336}$

3. $19\overline{)589}$

4. 812 ÷ 29 = _____

5. 666 ÷ 18 = _____

6. 945 ÷ 45 = _____

7. 832 ÷ 52 = _____

8. 984 ÷ 41 = _____

9. 938 ÷ 14 = _____

10. A shipment of 24 bicycles weighed 1,056 lb. If all the bicycles are the same, how much did each one weigh? _____

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Reteaching 3-1

Divisibility and Mental Math

A number is **divisible** by a second number if the second number divides into the first with no remainder. Here are some rules.

Last Digit of a Number	The Number Is Divisible by	Examples
any	1	any number
0, 2, 4, 6, 8	2	10; 24; 32; 54; 106; 138
0, 5	5	10; 25; 70; 915; 1,250
0	10	10; 20; 90; 500; 4,300

The Sum of the Digits	The Number Is Divisible by	Examples	
is divisible by 3	3	$843 \rightarrow$ $8 + 4 + 3 = 15$ and $15 \div 3 = 5$	$3\overline{)843}$ 281 R0
is divisible by 9	9	$2{,}898 \rightarrow$ $2 + 8 + 9 + 8 = 27$ and $27 \div 9 = 3$	$9\overline{)2{,}898}$ 322 R0

Circle the numbers that are divisible by the number at the left.

1. 2 — 8 15 26 42 97 105 218
2. 5 — 14 10 25 18 975 1,005 2,340
3. 10 — 100 75 23 60 99 250 655
4. 3 — 51 75 12 82 93 153 274
5. 9 — 27 32 36 108 126 245 387

Use mental math to determine if the first number is divisible by the second.

6. 185; 5 _____
7. 76,870; 10 _____
8. 461; 1 _____
9. 456; 3 _____
10. 35,994; 2 _____
11. 6,791; 3 _____
12. 12,866; 9 _____
13. 151,002; 9 _____
14. 55,340; 5 _____
15. 6,888; 2 _____
16. 31,067; 5 _____
17. 901,204; 3 _____
18. 2,232; 3 _____
19. 45,812; 9 _____
20. 3,090; 10 _____
21. 312; 9 _____
22. 1,933; 3 _____
23. 28,889; 2 _____

Test each number for being divisible by 2, 5, or 10. Some numbers may be divisible by more than one number.

24. 800 _____
25. 65 _____
26. 1,010 _____

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Reteaching 3-2

Prime Numbers and Prime Factorization

A *prime number* has exactly two factors, the number itself and 1.

$5 \times 1 = 5$
5 is a prime number.

A *composite number* has more than two factors.

$1 \times 6 = 6$
$2 \times 3 = 6$

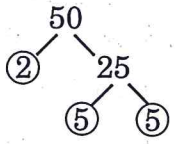
1, 2, 3, and 6 are factors of 6.
6 is a composite number.

The number 1 is neither prime nor composite.

Every composite number can be written as a product of prime numbers.

$6 = 2 \times 3$
$8 = 2 \times 2 \times 2$
$12 = 2 \times 2 \times 3$

Factors that are prime numbers are called *prime factors.* You can use a *factor tree* to find prime factors. This one shows the prime factors of 50.

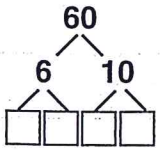


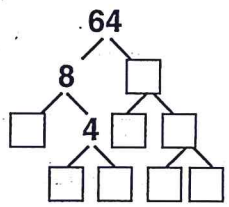
$50 = 2 \times 5 \times 5$ *is the prime factorization* of 50.

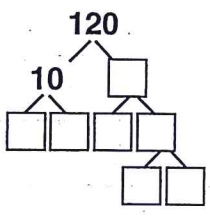
Tell whether each number is prime or composite. Explain.

1. 21 _____
2. 43 _____
3. 53 _____
4. 74 _____
5. 54 _____
6. 101 _____
7. 67 _____
8. 138 _____
9. 83 _____
10. 95 _____
11. 41 _____
12. 57 _____

Complete each factor tree.

13. 

14. 

15. 

Find the prime factorization of each number.

16. 21 _____
17. 48 _____
18. 81 _____
19. 56 _____
20. 63 _____
21. 100 _____
22. 103 _____
23. 155 _____

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Reteaching 3-3

Greatest Common Factor

You can find the *greatest common factor (GCF)* of 12 and 18 using a division ladder, factor trees, or by listing the factors. Two of these methods are shown.

① List the factors of 12 and 18.

12: 1, 2, 3, 4, 6, 12
18: 1, 2, 3, 6, 9, 18

② Find the common factors.

12: ①, ②, ③, 4, ⑥, 12
18: ①, ②, ③, ⑥, 9, 18

The common factors are 1, 2, 3, and 6.

③ Name the greatest common factor: 6.

① Draw factor trees.

② Write each prime factorization. Identify common factors.

12: ② × 2 × ③
18: ② × ③ × 3

③ Multiply the common factors. $2 \times 3 = 6$. The GCF of 12 and 18 is 6.

List the factors to find the GCF of each set of numbers.

1. 10: _____
   15: _____
   GCF: _____

2. 14: _____
   21: _____
   GCF: _____

3. 9: _____
   21: _____
   GCF: _____

4. 12: _____
   13: _____
   GCF: _____

5. 15: _____
   25: _____
   GCF: _____

6. 15: _____
   18: _____
   GCF: _____

7. 36: _____
   48: _____
   GCF: _____

8. 24: _____
   30: _____
   GCF: _____

Find the GCF of each set of numbers.

9. 21, 60 _____
10. 15, 45 _____
11. 32, 40 _____
12. 54, 60 _____
13. 20, 50 _____
14. 21, 63 _____
15. 36, 40 _____
16. 48, 72 _____
17. 90, 150 _____

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Reteaching 3-4

Equivalent Fractions

Equivalent fractions are fractions that name the same amount.

To find equivalent fractions, multiply or divide the numerator and denominator by the same number.

$\frac{2}{5} \overset{\times 2}{=} \frac{4}{10}$ $\qquad$ $\frac{4}{10} \overset{\div 2}{=} \frac{2}{5}$

So, $\frac{2}{5} = \frac{4}{10}$.

To write a fraction in *simplest form,* divide the numerator and denominator by their greatest common factor.

Example: Write $\frac{8}{12}$ in simplest form.

① Find the greatest common factor.

8: 1, 2, **4,** 8
12: 1, 2, 3, **4,** 6, 12

The GCF is 4.

② Divide the numerator and denominator by the GCF.

$\frac{8}{12} \overset{\div 4}{=} \frac{2}{3}$

$\frac{8}{12}$ in simplest form is $\frac{2}{3}$.

Write two fractions equivalent to each fraction.

1. $\frac{5}{6}$ _____ 2. $\frac{3}{7}$ _____ 3. $\frac{7}{8}$ _____
4. $\frac{3}{11}$ _____ 5. $\frac{3}{6}$ _____ 6. $\frac{1}{5}$ _____

State whether each fraction is in simplest form. If it is not, write it in simplest form.

7. $\frac{12}{15}$ _____ 8. $\frac{8}{15}$ _____ 9. $\frac{9}{21}$ _____
10. $\frac{15}{22}$ _____ 11. $\frac{14}{30}$ _____ 12. $\frac{25}{70}$ _____

Write each fraction in simplest form.

13. $\frac{12}{24}$ _____ 14. $\frac{10}{200}$ _____ 15. $\frac{56}{64}$ _____
16. $\frac{3}{9}$ _____ 17. $\frac{130}{170}$ _____ 18. $\frac{12}{16}$ _____
19. $\frac{7}{49}$ _____ 20. $\frac{22}{33}$ _____ 21. $\frac{30}{225}$ _____

22. There are 420 girls out of 1,980 people attending a state fair. In simplest form, what fraction of the people attending are girls?

_____

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Reteaching 3-5

Mixed Numbers and Improper Fractions

To write a mixed number as an *improper fraction:*

① Multiply the whole number by the denominator.

② Add this product to the numerator.

③ Write this sum over the denominator.

② ③

$3\frac{5}{8} = \frac{29}{8}$

①

To write an improper fraction as a *mixed number:*

① Divide the numerator by the denominator. $\frac{20}{8} = 2$ remainder 4

② Write the remainder over the denominator. $= 2\frac{4}{8}$

③ Simplify, if possible. $= 2\frac{1}{2}$

$\frac{20}{8} = 2\frac{1}{2}$

Write each mixed number as an improper fraction.

1. $2\frac{2}{7}$ _____
2. $5\frac{3}{4}$ _____
3. $6\frac{1}{2}$ _____
4. $6\frac{5}{8}$ _____
5. $3\frac{4}{10}$ _____
6. $4\frac{3}{5}$ _____
7. $9\frac{1}{3}$ _____
8. $4\frac{4}{5}$ _____
9. $1\frac{7}{8}$ _____
10. $3\frac{3}{8}$ _____
11. $2\frac{3}{7}$ _____
12. $8\frac{1}{6}$ _____

On a separate sheet of paper, draw a model of a 4-inch ruler marked off in eighths. Find and label each measurement on your ruler.

13. $3\frac{5}{8}$
14. $2\frac{6}{8}$
15. $3\frac{1}{2}$
16. $1\frac{3}{4}$
17. $2\frac{1}{2}$
18. $3\frac{1}{4}$

Write each improper fraction as a mixed number in simplest form.

19. $\frac{9}{8}$ _____
20. $\frac{7}{2}$ _____
21. $\frac{12}{5}$ _____
22. $\frac{8}{3}$ _____
23. $\frac{14}{8}$ _____
24. $\frac{6}{5}$ _____
25. $\frac{20}{3}$ _____
26. $\frac{17}{5}$ _____
27. $\frac{18}{4}$ _____
28. $\frac{9}{5}$ _____
29. $\frac{29}{8}$ _____
30. $\frac{24}{9}$ _____

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Reteaching 3-6

Least Common Multiple

Find the *least common multiple (LCM)* of 8 and 12.

① Begin listing multiples of each number.

8: 8, 16, 24, 32, 40

12: 12, 24

② Continue the lists until you find the first multiple that is common to both lists. That is the LCM.

The least common multiple of 8 and 12 is 24.

List multiples to find the LCM of each pair of numbers.

1. 4: _____

5: _____

LCM: _____

2. 6: _____

7: _____

LCM: _____

3. 9: _____

15: _____

LCM: _____

4. 10: _____

25: _____

LCM: _____

5. 8: _____

24: _____

LCM: _____

6. 8: _____

12: _____

LCM: _____

7. 4: _____

7: _____

LCM: _____

8. 15: _____

25: _____

LCM: _____

9. 15: _____

20: _____

LCM: _____

10. 4: _____

9: _____

LCM: _____

Use prime factorization to find the LCM of each set of numbers.

11. 9, 21 _____

12. 6, 8 _____

13. 18, 24 _____

14. 40, 50 _____

15. 42, 49 _____

16. 6, 12 _____

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