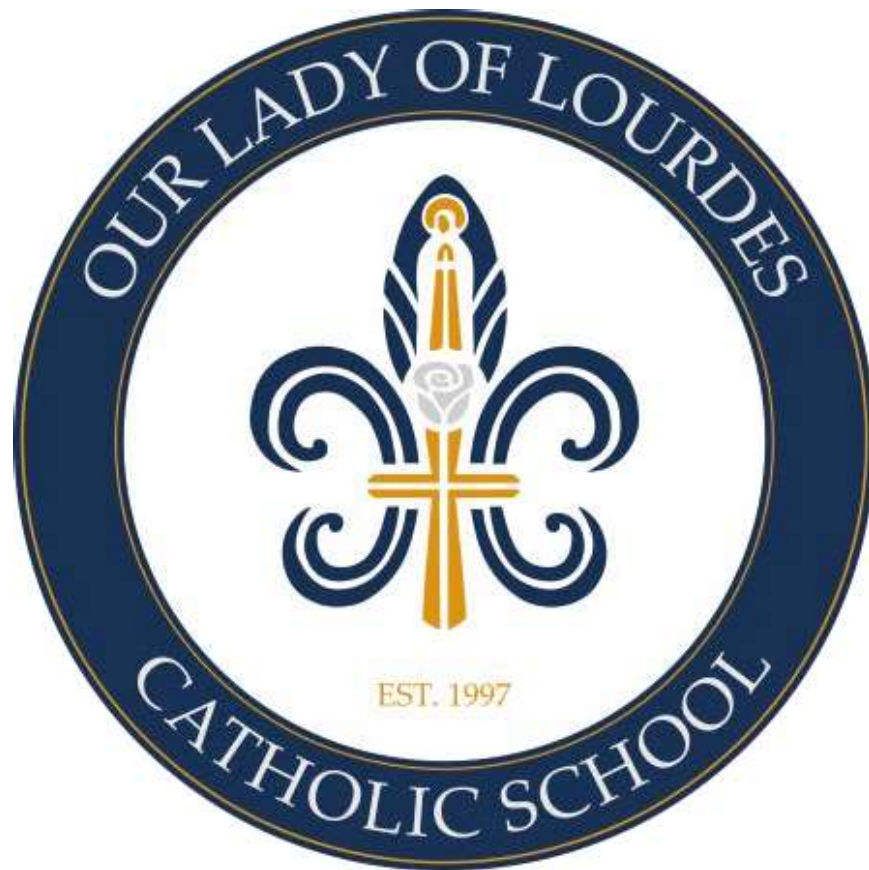


Summer Math Packet

At-home Summer Practice



5th Grade

1 Customary units

Circle the unit you would use to measure each length, weight, or volume.

The length of a picture frame: inches yards

The weight of an elephant: ounces tons

The volume of a cereal bowl: cups quarts

The distance from New York to San Francisco: yards miles

The weight of a pencil: ounces pounds

The volume of a coffee mug: cups quarts

The length of a soccer field: yards miles

The weight of a sock: ounces pounds

The volume of a trash can: pints gallons

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2 Metric units

Circle the unit you would use to measure each length, mass, or volume.

The width of a chapter book: centimeters meters

The mass of a teabag: grams kilograms

The volume of a punch bowl: milliliters liters

The distance of a 20-minute bike ride: meters kilometers

The mass of a bowling ball: grams kilograms

The volume of a kitchen sink: milliliters liters

The thickness of a quarter: millimeters centimeters

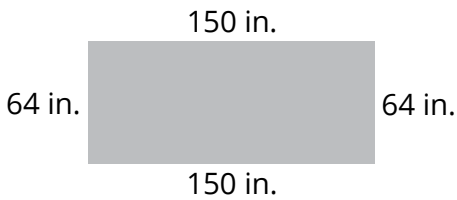
The mass of a ping-pong ball: grams kilograms

The volume of a perfume bottle: milliliters liters

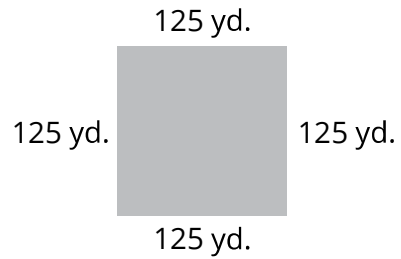


3 Perimeter

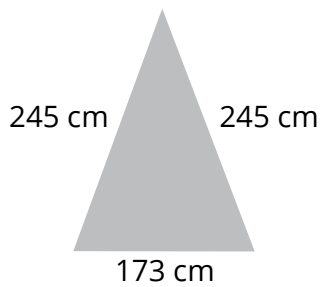
Add to find the perimeter of each shape. If your answer is a fraction that is greater than 1, write it as a mixed number.



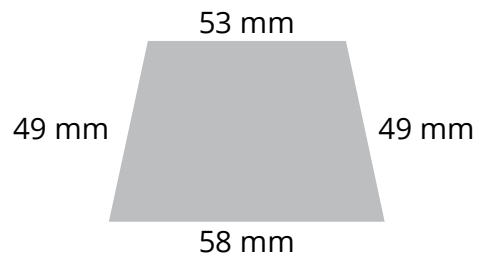
Perimeter = 428 in.



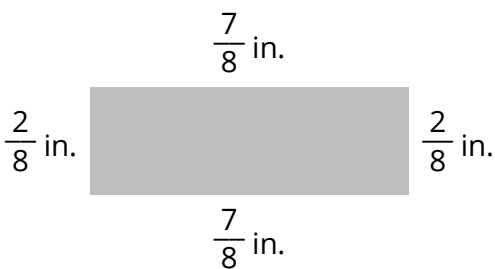
Perimeter = _____



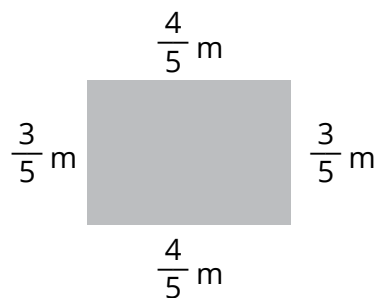
Perimeter = _____



Perimeter = _____



Perimeter = _____



Perimeter = _____

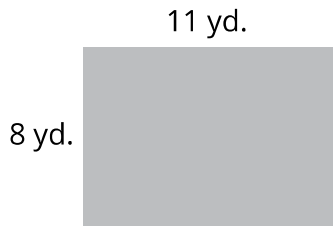
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HLW

4 Area

Multiply to find the area of each rectangle. If your answer is a fraction that is greater than 1, write it as a mixed number.



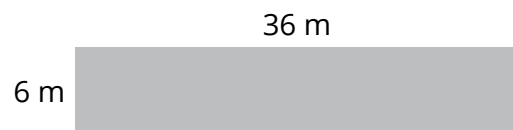
Area = 88 SQUARE YD.



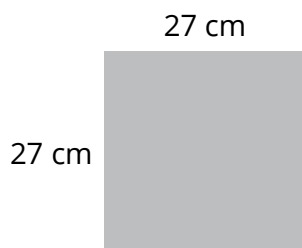
Area = _____



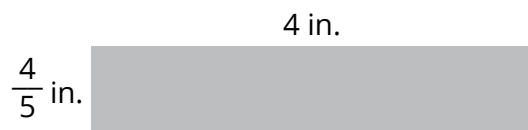
Area = _____



Area = _____



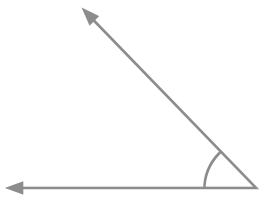
Area = _____



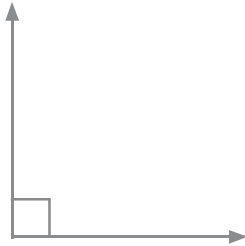
Area = _____

5 Angles

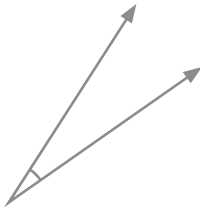
Label each angle as right, acute, or obtuse.



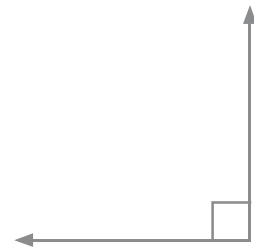
ACUTE

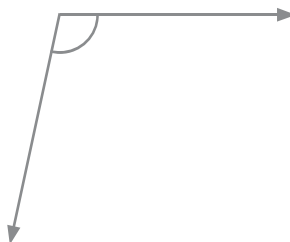


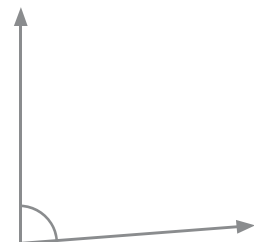








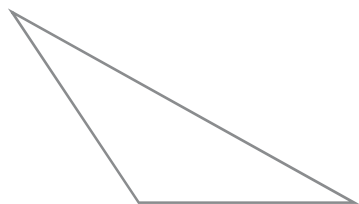




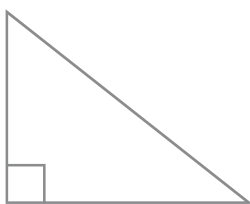
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6 Classifying triangles

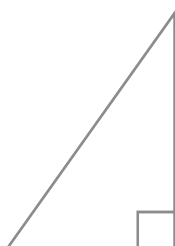
Label each triangle as right, acute, or obtuse.

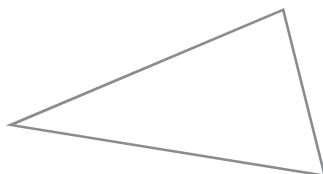


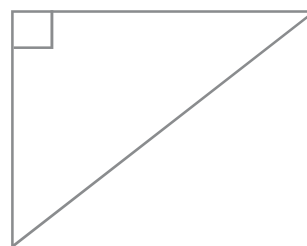
OBTUSE

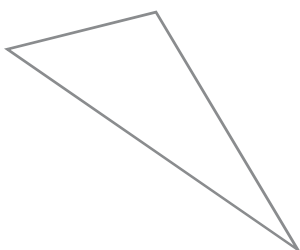


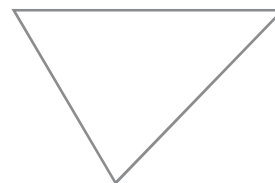








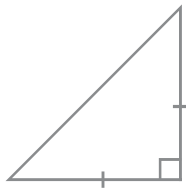
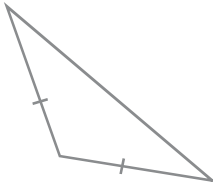
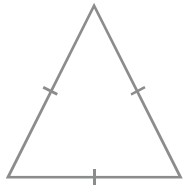
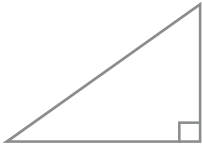




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7QK

7 Classifying triangles

Draw lines to match each triangle to its name.



acute isosceles

obtuse scalene

right isosceles

acute scalene

right scalene

obtuse isosceles

equilateral

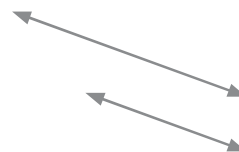
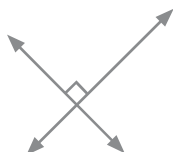
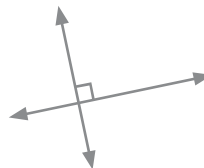
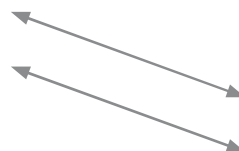
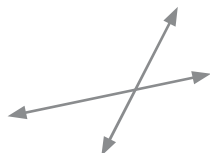
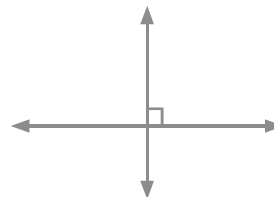
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U59

8 Types of lines

Label each pair of lines as parallel, perpendicular, or neither.



PARALLEL



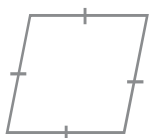
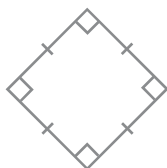
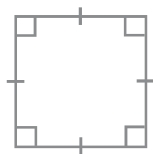
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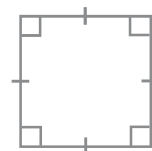
8VQ

9 Classifying quadrilaterals

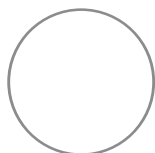
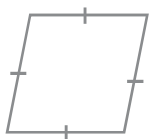
Circle all of the squares.



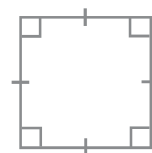
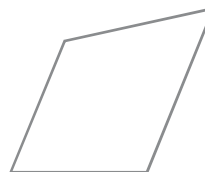
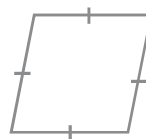
Circle all of the parallelograms.



Circle all of the quadrilaterals.

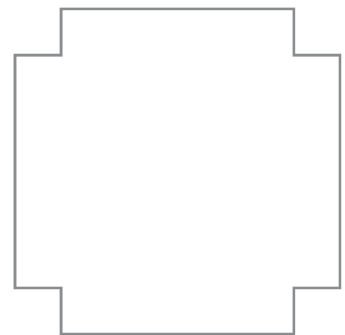
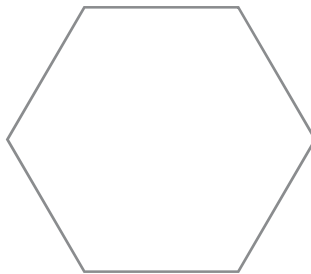
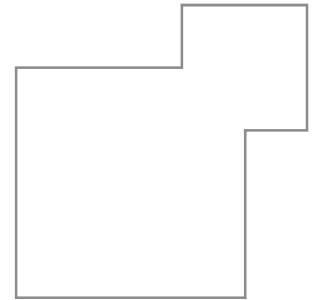
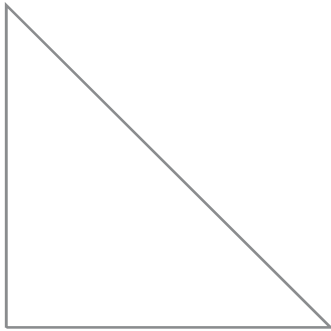
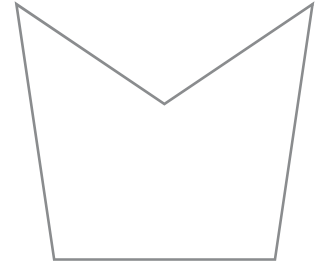
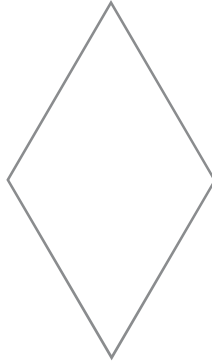
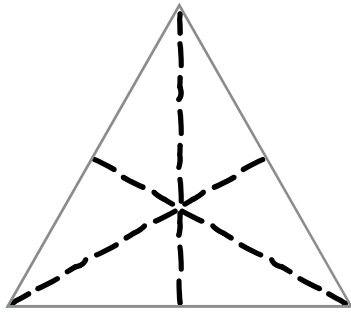


Circle all of the rhombuses.



10 Symmetry

Draw as many lines of symmetry as possible for each figure.



11 Answer key

PAGE 1

inches
tons
cups
miles
ounces
cups
yards
ounces
gallons

PAGE 2

centimeters
grams
liters
kilometers
kilograms
liters
millimeters
grams
milliliters

PAGE 3

428 in. 500 yd.

663 cm 209 mm

$2 \frac{2}{8}$ or $2 \frac{1}{4}$ in. $2 \frac{4}{5}$ m

PAGE 4

88 square yd. 117 square in.
105 square ft. 216 square m
729 square cm $3 \frac{1}{5}$ square in.

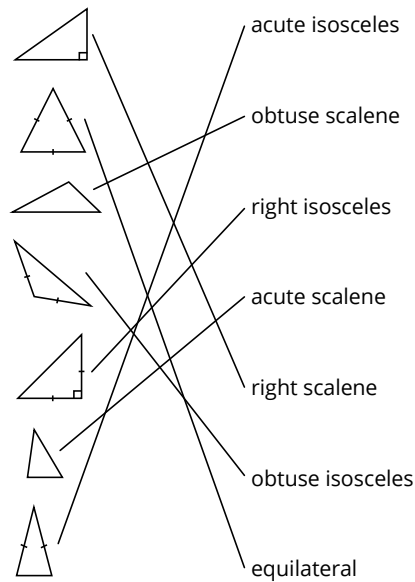
PAGE 5

acute	right	obtuse
acute	obtuse	right
	obtuse	acute

PAGE 6

obtuse	right	acute
right	acute	right
	obtuse	acute

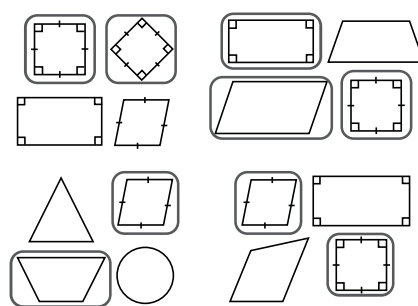
PAGE 7



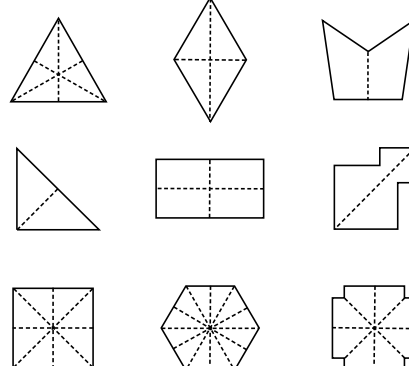
PAGE 8

parallel	perpendicular
neither	parallel
neither	perpendicular
perpendicular	parallel

PAGE 9



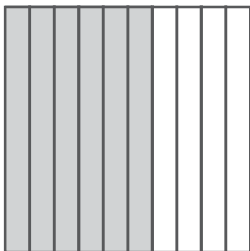
PAGE 10



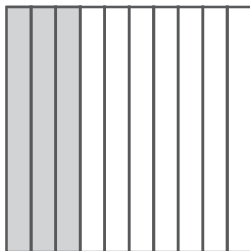
1

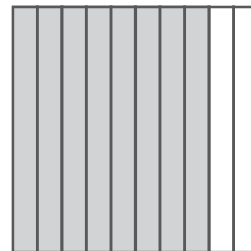
Modeling decimals

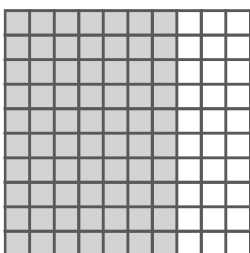
Write the decimal shown.

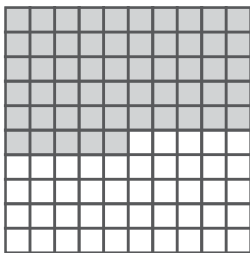


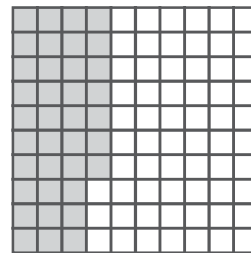
0.6

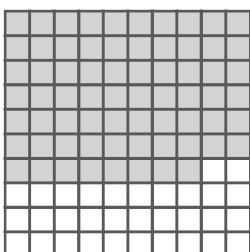


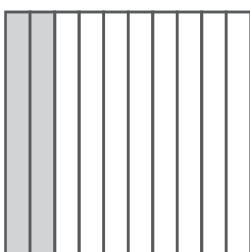


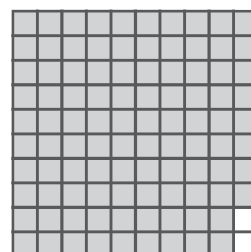












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2 Understanding decimals

Write each fraction as a decimal.

$$\frac{3}{10} = \underline{0.3}$$

$$\frac{8}{10} = \underline{\hspace{2cm}}$$

$$\frac{96}{100} = \underline{\hspace{2cm}}$$

$$\frac{4}{10} = \underline{\hspace{2cm}}$$

$$\frac{25}{100} = \underline{\hspace{2cm}}$$

$$\frac{6}{10} = \underline{\hspace{2cm}}$$

$$\frac{48}{100} = \underline{\hspace{2cm}}$$

$$\frac{9}{100} = \underline{\hspace{2cm}}$$

$$\frac{2}{10} = \underline{\hspace{2cm}}$$

$$\frac{9}{10} = \underline{\hspace{2cm}}$$

$$\frac{30}{100} = \underline{\hspace{2cm}}$$

$$\frac{4}{100} = \underline{\hspace{2cm}}$$

$$\frac{7}{10} = \underline{\hspace{2cm}}$$

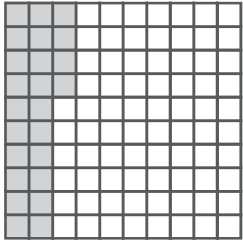
$$\frac{65}{100} = \underline{\hspace{2cm}}$$

$$\frac{89}{100} = \underline{\hspace{2cm}}$$

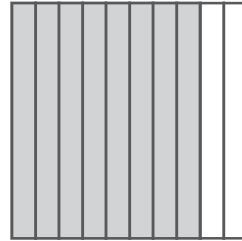
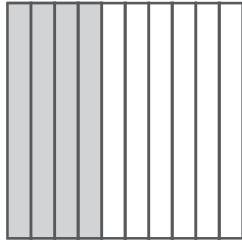
3

Comparing decimals

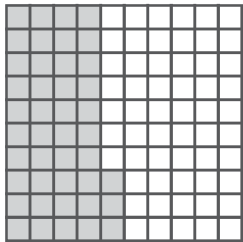
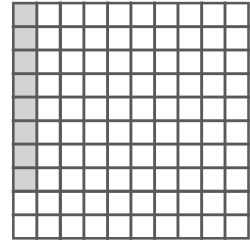
Compare each pair of decimals. Fill in each circle with $>$, $<$, or $=$.



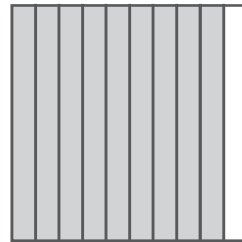
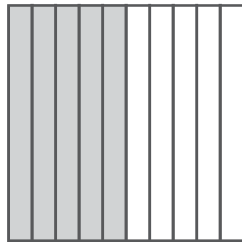
0.24 $<$ 0.4



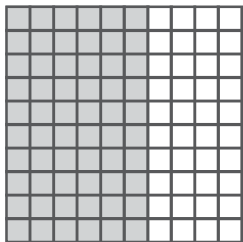
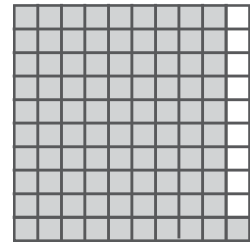
0.8 $=$ 0.08



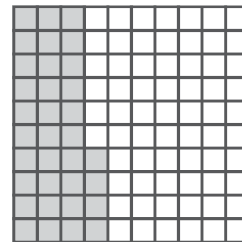
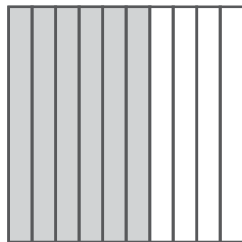
0.43 $=$ 0.5



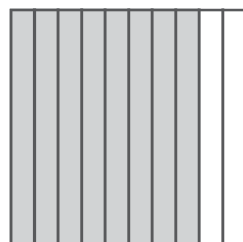
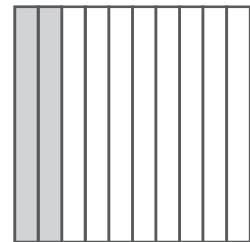
0.9 $=$ 0.91



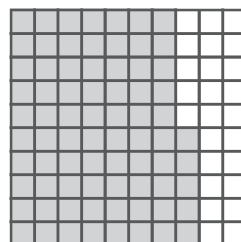
0.60 $=$ 0.6



0.34 $=$ 0.2



0.8 $=$ 0.75



4 Comparing decimals

Compare each pair of decimals. Fill in each circle with $>$, $<$, or $=$.

$0.32 \bigcirc 0.30$

$0.75 \bigcirc 0.72$

$0.59 \bigcirc 0.8$

$0.39 \bigcirc 0.48$

$0.12 \bigcirc 0.1$

$0.30 \bigcirc 0.3$

$0.1 \bigcirc 0.09$

$0.65 \bigcirc 0.7$

$0.6 \bigcirc 0.06$

$0.87 \bigcirc 0.78$

$0.51 \bigcirc 0.59$

$0.6 \bigcirc 0.68$

$2.1 \bigcirc 2.17$

$4.8 \bigcirc 4.80$

$7.09 \bigcirc 7.1$

$3.2 \bigcirc 2.44$

$6.7 \bigcirc 6.70$

$5.32 \bigcirc 5.08$

5

Adding and subtracting mixed numbers

Add or subtract. Regroup, if necessary.

$$10 \frac{5}{8} - 6 \frac{4}{8} = \underline{\hspace{2cm}}$$

$$13 \frac{5}{6} + 12 \frac{5}{6} = \underline{\hspace{2cm}}$$

$$19 \frac{2}{9} + 11 \frac{5}{9} = \underline{\hspace{2cm}}$$

$$8 \frac{2}{5} - 7 \frac{3}{5} = \underline{\hspace{2cm}}$$

$$5 \frac{5}{7} + 16 \frac{2}{7} = \underline{\hspace{2cm}}$$

$$14 \frac{9}{12} + 6 \frac{1}{12} = \underline{\hspace{2cm}}$$

$$9 \frac{8}{9} - 2 \frac{4}{9} = \underline{\hspace{2cm}}$$

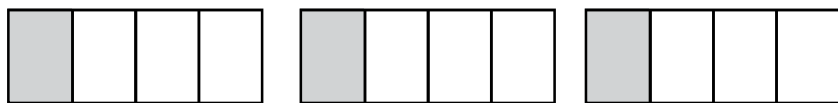
$$14 \frac{5}{10} - 8 \frac{9}{10} = \underline{\hspace{2cm}}$$

$$19 \frac{7}{11} + 17 \frac{9}{11} = \underline{\hspace{2cm}}$$

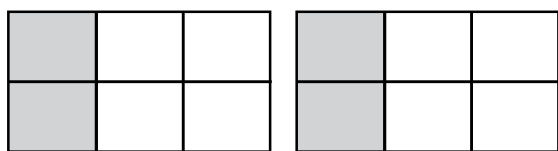
$$13 - 8 \frac{1}{4} = \underline{\hspace{2cm}}$$

6 Multiplying fractions

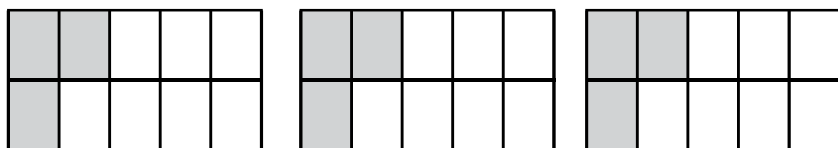
Multiply.



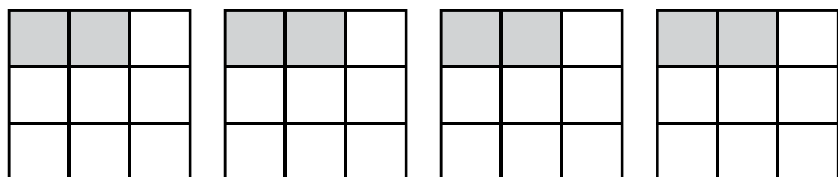
$$3 \times \frac{1}{4} = \underline{\frac{3}{4}}$$



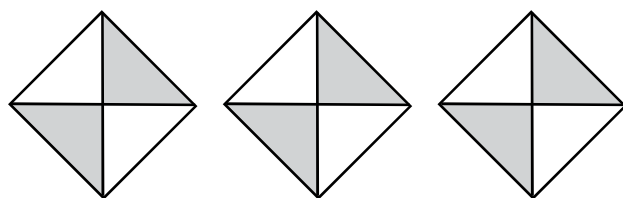
$$2 \times \frac{2}{6} = \underline{\hspace{2cm}}$$



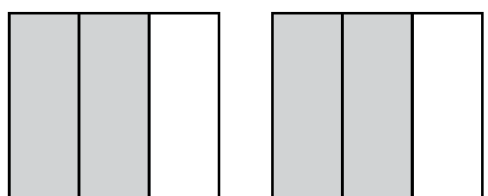
$$3 \times \frac{3}{10} = \underline{\hspace{2cm}}$$



$$4 \times \frac{2}{9} = \underline{\hspace{2cm}}$$



$$3 \times \frac{2}{4} = \underline{\hspace{2cm}}$$



$$2 \times \frac{2}{3} = \underline{\hspace{2cm}}$$

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7 Multiplying fractions

Multiply.

$$6 \times \frac{3}{5} = \underline{\hspace{2cm}}$$

$$4 \times \frac{2}{8} = \underline{\hspace{2cm}}$$

$$7 \times \frac{1}{4} = \underline{\hspace{2cm}}$$

$$3 \times \frac{4}{5} = \underline{\hspace{2cm}}$$

$$4 \times \frac{2}{9} = \underline{\hspace{2cm}}$$

$$2 \times \frac{3}{5} = \underline{\hspace{2cm}}$$

$$6 \times \frac{2}{11} = \underline{\hspace{2cm}}$$

$$8 \times \frac{4}{9} = \underline{\hspace{2cm}}$$

$$9 \times \frac{3}{10} = \underline{\hspace{2cm}}$$

$$7 \times \frac{3}{7} = \underline{\hspace{2cm}}$$

$$7 \times \frac{4}{6} = \underline{\hspace{2cm}}$$

$$11 \times \frac{2}{10} = \underline{\hspace{2cm}}$$

8 Word problems

Answer each question. If your answer is greater than 1, write your answer as a mixed number.

Madison is making bags of slime for her friends. She will need $\frac{1}{8}$ of a cup of glue for each bag of slime. How many cups of glue will she need to make 5 bags of slime?

Zion and Alex tried out for the swim team. Zion swam $\frac{1}{5}$ of a mile. Alex swam 3 times as far as Zion. How far did Alex swim?

Diego feeds his dog $\frac{3}{4}$ of a cup of dog food 2 times a day. How many cups of dog food does Diego feed to his dog each day?

At Scoops Ice Cream Shop, there is a sprinkle machine. If you press the button once, you get $\frac{1}{2}$ of a tablespoon of sprinkles. If Harrison presses the button 4 times, how many tablespoons of sprinkles will he get?

9 Comparing decimals

Circle the greatest decimal in each row.

0.81

1.03

0.88

0.4

0.48

0.5

0.73

0.6

1.68

2.3

2.2

1.42

0.9

0.94

1.1

5.6

5.66

5.06

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10 Problem solving

Circle the number that matches all of the clues.

I have a 2 in my tenths place.

I am less than 0.51.

I have a 5 in my hundredths place.

3.25	0.25	3.52
0.52	0.2	0.5
3.2	2.5	2.05

I am greater than 4.

I have a 9 in my hundredths place.

I am less than 4.5.

4.79	0.79	4.09
4.7	0.97	9.4
0.07	0.47	0.7

I am greater than 0.5, but less than 0.9.

I have an 8 in my tenths place.

I am equal to $\frac{4}{5}$.

0.85	8.5	0.5
5.8	0.58	0.08
0.8	8.05	0.05

11 Answer key

PAGE 1

0.6 0.3 0.8
0.70 0.55 0.37
0.68 0.2 0.98

PAGE 2

$\frac{3}{10} = 0.3$ $\frac{8}{10} = 0.8$ $\frac{96}{100} = 0.96$
 $\frac{4}{10} = 0.4$ $\frac{25}{100} = 0.25$ $\frac{6}{10} = 0.6$
 $\frac{48}{100} = 0.48$ $\frac{9}{100} = 0.09$ $\frac{2}{10} = 0.2$
 $\frac{9}{10} = 0.9$ $\frac{30}{100} = 0.3$ $\frac{4}{100} = 0.04$
 $\frac{7}{10} = 0.7$ $\frac{65}{100} = 0.65$ $\frac{89}{100} = 0.89$

PAGE 3

$0.24 < 0.4$ $0.8 > 0.08$
 $0.43 < 0.5$ $0.9 < 0.91$
 $0.60 = 0.6$ $0.34 > 0.2$
 $0.8 > 0.75$

PAGE 4

$0.32 > 0.30$ $0.75 > 0.72$ $0.59 < 0.8$
 $0.39 < 0.48$ $0.12 > 0.1$ $0.30 = 0.3$
 $0.1 > 0.09$ $0.65 < 0.7$ $0.6 > 0.06$
 $0.87 > 0.78$ $0.51 < 0.59$ $0.6 < 0.68$
 $2.1 < 2.17$ $4.8 = 4.80$ $7.09 < 7.1$
 $3.2 > 2.44$ $6.7 = 6.70$ $5.32 > 5.08$

PAGE 5

$10 \frac{5}{8} - 6 \frac{4}{8} = 4 \frac{1}{8}$
 $13 \frac{5}{6} + 12 \frac{5}{6} = 26 \frac{4}{6}$ or $26 \frac{2}{3}$
 $19 \frac{2}{9} + 11 \frac{5}{9} = 30 \frac{7}{9}$
 $8 \frac{2}{5} - 7 \frac{3}{5} = \frac{4}{5}$
 $5 \frac{5}{7} + 16 \frac{2}{7} = 22$
 $14 \frac{9}{12} + 6 \frac{1}{12} = 20 \frac{10}{12}$ or $20 \frac{5}{6}$
 $9 \frac{8}{9} - 2 \frac{4}{9} = 7 \frac{4}{9}$
 $14 \frac{5}{10} - 8 \frac{9}{10} = 5 \frac{6}{10}$ or $5 \frac{3}{5}$
 $19 \frac{7}{11} + 17 \frac{9}{11} = 37 \frac{5}{11}$
 $13 - 8 \frac{1}{4} = 4 \frac{3}{4}$

PAGE 6

$3 \times \frac{1}{4} = \frac{3}{4}$
 $2 \times \frac{2}{6} = \frac{4}{6}$ or $\frac{2}{3}$
 $3 \times \frac{3}{10} = \frac{9}{10}$
 $4 \times \frac{2}{9} = \frac{8}{9}$
 $3 \times \frac{2}{4} = \frac{6}{4}$ or $\frac{3}{2}$
 $2 \times \frac{2}{3} = \frac{4}{3}$

PAGE 7

$6 \times \frac{3}{5} = \frac{18}{5}$ $4 \times \frac{2}{8} = \frac{8}{8}$ or $\frac{1}{1}$
 $7 \times \frac{1}{4} = \frac{7}{4}$ $3 \times \frac{4}{5} = \frac{12}{5}$
 $4 \times \frac{2}{9} = \frac{8}{9}$ $2 \times \frac{3}{5} = \frac{6}{5}$
 $6 \times \frac{2}{11} = \frac{12}{11}$ $8 \times \frac{4}{9} = \frac{32}{9}$
 $9 \times \frac{3}{10} = \frac{27}{10}$ $7 \times \frac{3}{7} = \frac{21}{7}$ or $\frac{3}{1}$
 $7 \times \frac{4}{6} = \frac{28}{6}$ or $\frac{14}{3}$ $11 \times \frac{2}{10} = \frac{22}{10}$ or $\frac{11}{5}$

PAGE 8

$\frac{5}{8}$ of a cup
 $\frac{3}{5}$ of a mile
 $1 \frac{2}{4}$ or $1 \frac{1}{2}$ cups
 $\frac{2}{1}$ or 2 tablespoons

PAGE 9

1.03
0.5
1.68
2.3
1.1
5.66

PAGE 10

0.25
4.09
0.8

1

Two-digit by two-digit multiplication

Multiply.

$$\begin{array}{r} 35 \\ \times 42 \\ \hline \end{array}$$

$$\begin{array}{r} 29 \\ \times 85 \\ \hline \end{array}$$

$$\begin{array}{r} 84 \\ \times 43 \\ \hline \end{array}$$

$$\begin{array}{r} 73 \\ \times 37 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ \times 58 \\ \hline \end{array}$$

$$\begin{array}{r} 39 \\ \times 57 \\ \hline \end{array}$$

$$\begin{array}{r} 79 \\ \times 46 \\ \hline \end{array}$$

$$\begin{array}{r} 49 \\ \times 65 \\ \hline \end{array}$$

$$\begin{array}{r} 68 \\ \times 44 \\ \hline \end{array}$$

$$\begin{array}{r} 67 \\ \times 93 \\ \hline \end{array}$$

$$\begin{array}{r} 77 \\ \times 64 \\ \hline \end{array}$$

$$\begin{array}{r} 83 \\ \times 92 \\ \hline \end{array}$$

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2 Long division

Divide.

$$5 \overline{) 544}$$

$$4 \overline{) 688}$$

$$3 \overline{) 228}$$

$$6 \overline{) 630}$$

$$7 \overline{) 905}$$

$$9 \overline{) 752}$$

$$4 \overline{) 733}$$

$$6 \overline{) 564}$$

$$8 \overline{) 997}$$

3 Multiples

Write the first four multiples of each number.

4: 4, 8, 12, 16

6: _____

7: _____

9: _____

10: _____

12: _____

15: _____

30: _____

80: _____

112: _____

160: _____

205: _____

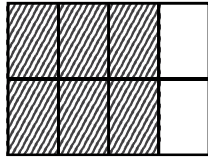
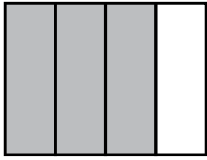
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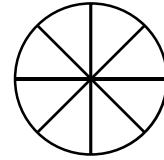
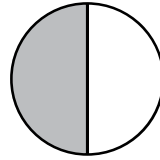
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4 Equivalent fractions

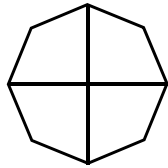
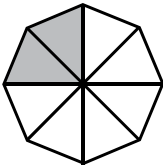
Shade in the equivalent fraction. Write the new fraction.



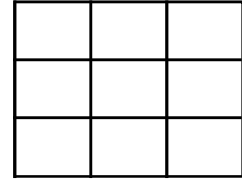
$$\frac{3}{4} = \frac{6}{8}$$



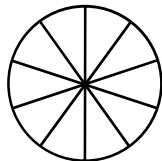
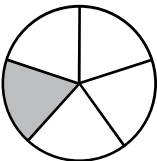
$$\frac{1}{2} = \underline{\hspace{2cm}}$$



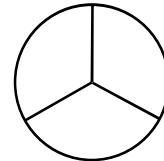
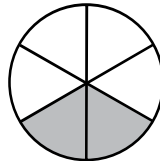
$$\frac{2}{8} = \underline{\hspace{2cm}}$$



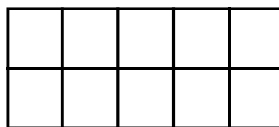
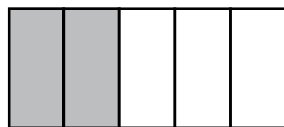
$$\frac{1}{3} = \underline{\hspace{2cm}}$$



$$\frac{1}{5} = \underline{\hspace{2cm}}$$



$$\frac{2}{6} = \underline{\hspace{2cm}}$$



$$\frac{2}{5} = \underline{\hspace{2cm}}$$

5

Number patterns

Find the next two numbers in each sequence.

Rule: multiply by 3	6	18	54	162	486
---------------------	---	----	----	-----	-----

Rule: divide by 2	192	96	48		
-------------------	-----	----	----	--	--

Rule: multiply by 5	6	30	150		
---------------------	---	----	-----	--	--

Rule: divide by 7	4,802	686	98		
-------------------	-------	-----	----	--	--

Rule: multiply by 6	6	36	216		
---------------------	---	----	-----	--	--

Rule: divide by 4	2,048	512	128		
-------------------	-------	-----	-----	--	--

6 Ordering fractions

Write the fractions in order from least to greatest.

$$\frac{2}{3} \quad \frac{1}{5} \quad \frac{1}{3} \quad \frac{1}{5} \quad \frac{1}{3} \quad \frac{2}{3}$$

$$\frac{6}{10} \quad \frac{4}{5} \quad \frac{4}{10}$$

$$\frac{5}{6} \quad \frac{2}{5} \quad \frac{2}{12}$$

$$\frac{2}{5} \quad \frac{3}{10} \quad \frac{1}{4}$$

$$\frac{3}{4} \quad \frac{2}{3} \quad \frac{5}{6}$$

Challenge yourself! Write the fractions in order from least to greatest.

$$\frac{3}{4} \quad \frac{5}{8} \quad \frac{1}{2} \quad \frac{4}{12}$$

$$\frac{2}{3} \quad \frac{5}{12} \quad \frac{2}{6} \quad \frac{1}{4}$$

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7 Adding fractions

Add.

$$\frac{2}{8} + \frac{3}{8} = \underline{\hspace{2cm}}$$

$$\frac{1}{4} + \frac{2}{4} = \underline{\hspace{2cm}}$$

$$\frac{1}{5} + \frac{3}{5} = \underline{\hspace{2cm}}$$

$$\frac{4}{8} + \frac{3}{8} = \underline{\hspace{2cm}}$$

$$\frac{5}{9} + \frac{3}{9} = \underline{\hspace{2cm}}$$

$$\frac{1}{6} + \frac{4}{6} = \underline{\hspace{2cm}}$$

$$\frac{4}{10} + \frac{4}{10} = \underline{\hspace{2cm}}$$

$$\frac{3}{7} + \frac{2}{7} = \underline{\hspace{2cm}}$$

$$\frac{4}{11} + \frac{5}{11} = \underline{\hspace{2cm}}$$

$$\frac{1}{5} + \frac{2}{5} = \underline{\hspace{2cm}}$$

$$\frac{1}{9} + \frac{4}{9} = \underline{\hspace{2cm}}$$

$$\frac{7}{12} + \frac{4}{12} = \underline{\hspace{2cm}}$$

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8

Subtracting fractions

Subtract.

$$\frac{2}{3} - \frac{1}{3} = \underline{\hspace{2cm}}$$

$$\frac{6}{8} - \frac{2}{8} = \underline{\hspace{2cm}}$$

$$\frac{4}{5} - \frac{2}{5} = \underline{\hspace{2cm}}$$

$$\frac{3}{4} - \frac{2}{4} = \underline{\hspace{2cm}}$$

$$\frac{3}{6} - \frac{1}{6} = \underline{\hspace{2cm}}$$

$$\frac{8}{10} - \frac{3}{10} = \underline{\hspace{2cm}}$$

$$\frac{4}{7} - \frac{2}{7} = \underline{\hspace{2cm}}$$

$$\frac{7}{9} - \frac{2}{9} = \underline{\hspace{2cm}}$$

$$\frac{10}{12} - \frac{4}{12} = \underline{\hspace{2cm}}$$

$$\frac{4}{8} - \frac{1}{8} = \underline{\hspace{2cm}}$$

$$\frac{9}{10} - \frac{5}{10} = \underline{\hspace{2cm}}$$

$$\frac{9}{11} - \frac{2}{11} = \underline{\hspace{2cm}}$$

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9 Multiplying fractions

Multiply. Write your answer as a mixed number or a whole number.

$$5 \times \frac{2}{3} = \underline{\hspace{2cm}}$$

$$2 \times \frac{7}{9} = \underline{\hspace{2cm}}$$

$$3 \times \frac{4}{7} = \underline{\hspace{2cm}}$$

$$7 \times \frac{5}{8} = \underline{\hspace{2cm}}$$

$$5 \times \frac{3}{4} = \underline{\hspace{2cm}}$$

$$8 \times \frac{5}{8} = \underline{\hspace{2cm}}$$

$$11 \times \frac{2}{7} = \underline{\hspace{2cm}}$$

$$5 \times \frac{5}{12} = \underline{\hspace{2cm}}$$

$$7 \times \frac{7}{10} = \underline{\hspace{2cm}}$$

$$10 \times \frac{2}{9} = \underline{\hspace{2cm}}$$

$$4 \times \frac{5}{11} = \underline{\hspace{2cm}}$$

$$8 \times \frac{4}{7} = \underline{\hspace{2cm}}$$

10 Mixed fraction operations

Add, subtract, or multiply. Regroup, if necessary.

$$4\frac{3}{8} + 2\frac{7}{8} = \underline{7\frac{2}{8}}$$

$$\frac{7}{10} - \frac{3}{10} = \underline{\hspace{2cm}}$$

$$3 \times \frac{4}{6} = \underline{\hspace{2cm}}$$

$$4\frac{2}{3} + \frac{2}{3} = \underline{\hspace{2cm}}$$

$$5\frac{3}{4} - 2\frac{1}{4} = \underline{\hspace{2cm}}$$

$$7 \times \frac{2}{8} = \underline{\hspace{2cm}}$$

$$7\frac{5}{7} + 4\frac{4}{7} = \underline{\hspace{2cm}}$$

$$6\frac{1}{2} - 1\frac{1}{2} = \underline{\hspace{2cm}}$$

$$9 \times \frac{5}{12} = \underline{\hspace{2cm}}$$

$$8\frac{2}{3} + 5\frac{1}{3} = \underline{\hspace{2cm}}$$

$$12\frac{3}{10} - 4\frac{7}{10} = \underline{\hspace{2cm}}$$

$$8 \times \frac{4}{7} = \underline{\hspace{2cm}}$$

11 Answer key

PAGE 1

$\begin{array}{r} 35 \\ \times 42 \\ \hline 1,470 \end{array}$	$\begin{array}{r} 29 \\ \times 85 \\ \hline 2,465 \end{array}$	$\begin{array}{r} 84 \\ \times 43 \\ \hline 3,612 \end{array}$
$\begin{array}{r} 73 \\ \times 37 \\ \hline 2,701 \end{array}$	$\begin{array}{r} 27 \\ \times 58 \\ \hline 1,566 \end{array}$	$\begin{array}{r} 39 \\ \times 57 \\ \hline 2,223 \end{array}$
$\begin{array}{r} 79 \\ \times 46 \\ \hline 3,634 \end{array}$	$\begin{array}{r} 49 \\ \times 65 \\ \hline 3,185 \end{array}$	$\begin{array}{r} 68 \\ \times 44 \\ \hline 2,992 \end{array}$
$\begin{array}{r} 67 \\ \times 93 \\ \hline 6,231 \end{array}$	$\begin{array}{r} 77 \\ \times 64 \\ \hline 4,928 \end{array}$	$\begin{array}{r} 83 \\ \times 92 \\ \hline 7,636 \end{array}$

PAGE 2

$108 \text{ R}4$ $5 \overline{) 544}$	172 $4 \overline{) 688}$	76 $3 \overline{) 228}$
105 $6 \overline{) 630}$	$129 \text{ R}2$ $7 \overline{) 905}$	$83 \text{ R}5$ $9 \overline{) 752}$
$183 \text{ R}1$ $4 \overline{) 733}$	94 $6 \overline{) 564}$	$124 \text{ R}5$ $8 \overline{) 997}$

PAGE 3

4: 4, 8, 12, 16
 6: 6, 12, 18, 24
 7: 7, 14, 21, 28
 9: 9, 18, 27, 36
 10: 10, 20, 30, 40
 12: 12, 24, 36, 48
 15: 15, 30, 45, 60
 30: 30, 60, 90, 120
 80: 80, 160, 240, 320
 112: 112, 224, 336, 448
 160: 160, 320, 480, 640, 800
 205: 205, 410, 615, 820

PAGE 4

$\frac{3}{4} = \frac{6}{8}$	$\frac{1}{2} = \frac{4}{8}$
$\frac{2}{8} = \frac{1}{4}$	$\frac{1}{3} = \frac{3}{9}$
$\frac{1}{5} = \frac{2}{10}$	$\frac{2}{6} = \frac{1}{3}$
	$\frac{2}{5} = \frac{4}{10}$

PAGE 5

6	18	54	162	486
192	96	48	24	12
6	30	150	750	3,750
4,802	686	98	14	2
6	36	216	1,296	7,776
2,048	512	128	32	8

PAGE 6

$\frac{1}{5}$	$\frac{1}{3}$	$\frac{2}{3}$
$\frac{4}{10}$	$\frac{6}{10}$	$\frac{4}{5}$
$\frac{2}{12}$	$\frac{2}{5}$	$\frac{5}{6}$
$\frac{1}{4}$	$\frac{3}{10}$	$\frac{2}{5}$
$\frac{2}{3}$	$\frac{3}{4}$	$\frac{5}{6}$
$\frac{4}{12}$	$\frac{1}{2}$	$\frac{5}{8}$
$\frac{1}{4}$	$\frac{2}{6}$	$\frac{5}{12}$
	$\frac{2}{12}$	$\frac{3}{4}$

PAGE 7

$\frac{2}{8} + \frac{3}{8} = \frac{5}{8}$	$\frac{1}{4} + \frac{2}{4} = \frac{3}{4}$
$\frac{1}{5} + \frac{3}{5} = \frac{4}{5}$	$\frac{4}{8} + \frac{3}{8} = \frac{7}{8}$
$\frac{5}{9} + \frac{3}{9} = \frac{8}{9}$	$\frac{1}{6} + \frac{4}{6} = \frac{5}{6}$
$\frac{4}{10} + \frac{4}{10} = \frac{8}{10}$ or $\frac{4}{5}$	$\frac{3}{7} + \frac{2}{7} = \frac{5}{7}$
$\frac{4}{11} + \frac{5}{11} = \frac{9}{11}$	$\frac{1}{5} + \frac{2}{5} = \frac{3}{5}$
$\frac{1}{9} + \frac{4}{9} = \frac{5}{9}$	$\frac{7}{12} + \frac{4}{12} = \frac{11}{12}$

PAGE 8

$\frac{2}{3} - \frac{1}{3} = \frac{1}{3}$	$\frac{6}{8} - \frac{2}{8} = \frac{4}{8}$ or $\frac{1}{2}$
$\frac{4}{5} - \frac{2}{5} = \frac{2}{5}$	$\frac{3}{4} - \frac{2}{4} = \frac{1}{4}$
$\frac{3}{6} - \frac{1}{6} = \frac{2}{6}$ or $\frac{1}{3}$	$\frac{8}{10} - \frac{3}{10} = \frac{5}{10}$ or $\frac{1}{2}$
$\frac{4}{7} - \frac{2}{7} = \frac{2}{7}$	$\frac{7}{9} - \frac{2}{9} = \frac{5}{9}$
$\frac{10}{12} - \frac{4}{12} = \frac{6}{12}$ or $\frac{1}{2}$	$\frac{4}{8} - \frac{1}{8} = \frac{3}{8}$
$\frac{9}{10} - \frac{5}{10} = \frac{4}{10}$ or $\frac{2}{5}$	$\frac{9}{11} - \frac{2}{11} = \frac{7}{11}$

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$5 \times \frac{2}{3} = 3 \frac{1}{3}$	$2 \times \frac{7}{9} = 1 \frac{5}{9}$
$3 \times \frac{4}{7} = 1 \frac{5}{7}$	$7 \times \frac{5}{8} = 4 \frac{3}{8}$
$5 \times \frac{3}{4} = 3 \frac{3}{4}$	$8 \times \frac{5}{8} = 5$
$11 \times \frac{2}{7} = 3 \frac{1}{7}$	$5 \times \frac{5}{12} = 2 \frac{1}{12}$
$7 \times \frac{7}{10} = 4 \frac{9}{10}$	$10 \times \frac{2}{9} = 2 \frac{2}{9}$
$4 \times \frac{5}{11} = 1 \frac{9}{11}$	$8 \times \frac{4}{7} = 4 \frac{4}{7}$

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$4 \frac{3}{8} + 2 \frac{7}{8} = 7 \frac{2}{8}$ or $7 \frac{1}{4}$
$\frac{7}{10} - \frac{3}{10} = \frac{4}{10}$ or $\frac{2}{5}$
$3 \times \frac{4}{6} = \frac{12}{6}$ or 2
$4 \frac{2}{3} + \frac{2}{3} = 5 \frac{1}{3}$
$5 \frac{3}{4} - 2 \frac{1}{4} = 3 \frac{2}{4}$ or $3 \frac{1}{2}$
$7 \times \frac{2}{8} = \frac{14}{8}$ or $1 \frac{3}{4}$
$7 \frac{5}{7} + 4 \frac{4}{7} = 12 \frac{2}{7}$

12 Answer key

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

$$9 \times \frac{5}{12} = \frac{45}{12} \text{ or } 3\frac{3}{4}$$

$$8\frac{2}{3} + 5\frac{1}{3} = 14$$

$$12\frac{3}{10} - 4\frac{7}{10} = 7\frac{6}{10} \text{ or } 7\frac{3}{5}$$

$$8 \times \frac{4}{7} = \frac{32}{7} \text{ or } 4\frac{4}{7}$$