Name _____

Review 2

E-learning Day 1 - 11-8-19

Adding and Subtracting Decimals

6th Grade

Find 1.7 + 2.45.

Line up the decimal points.

$$\begin{array}{r} 1.7 \\ +\ 2.45 \end{array} \qquad \begin{array}{r} {\scriptstyle 1} \\ 1.70 \\ +\ 2.45 \\ \hline 4.15 \end{array}$$

← *Write zeros to show place value.*

↑ *Place decimal point in answer.*

Find 36.57 − 4.6.

Line up the decimal points.

$$\begin{array}{r} 36.57 \\ -\ 4.6 \end{array} \qquad \begin{array}{r} {\scriptstyle 5\ 15} \\ 36.57 \\ -\ 4.60 \\ \hline 31.97 \end{array}$$

← *Write zeros to show place value.*

↑ *Place decimal point in answer.*

Find each sum or difference.

1. $\begin{array}{r} 2.65 \\ +\ 13.30 \end{array}$

2. $\begin{array}{r} 14.10 \\ -\ 3.05 \end{array}$

3. $\begin{array}{r} 744 \\ +\ 36.2 \end{array}$

4. $\begin{array}{r} 9 \\ -\ 0.6 \end{array}$

5. $\begin{array}{r} 8.97 \\ +\ 66 \end{array}$

6. $\begin{array}{r} 100 \\ -\ 0.22 \end{array}$

7. $\begin{array}{r} 6.8 \\ +\ 237.29 \end{array}$

8. $\begin{array}{r} 0.5 \\ -\ 0.23 \end{array}$

9. 15.4 − 8 = _____

10. 3 − 2.54 = _____

11. 1.34 + 4.1 = _____

12. 133.01 − 5.6 = _____

13. 448 + 1.75 + 80.3 = _____

14. 12.3 + 0.61 + 100 = _____

15. On the 3-days of their vacation, the Davis family traveled 417 mi, 45.3 mi, and 366.9 mi. How far did they travel all together?

_____

16. Etta bought a calculator for $15. Glenn found the same model for $9.79. How much more did Etta pay than Glenn did?

_____

1

Name _____

Review 4

Multiplying with Decimals

Day 2

Find 4.3 × 2.7.

Multiply as you would with whole numbers.	*Count the number of decimal places in both factors. The total is the number of decimal places in the product.*
2 4.3 × 2.7 301 860 1161	4.3 ← 1 decimal place × 2.7 ← + 1 decimal place 11.61 ← 2 decimal places

Find each product.

1. 14 × 8.8 = 1120

2. 1.6 × 9 = _____

3. 0.4 × 3.2 = _____

4. 0.05 × 0.3 = _____

5. 2.15 × 8.3 = _____

6. 3.3 × 0.12 = _____

7. 0.51 × 4.2 = _____

8. 1.35 × 13 = _____

9. 23 × 0.47 = _____

10. 0.9 × 5 = _____

11. 168 × 2.25 = _____

12. 0.8 × 0.11 = _____

13. 20 × 20.2 = _____

14. 4.9 × 0.3 = _____

15. A roll of paper towels contained 250 sheets. Each sheet was 8.75 inches long. How long was the roll? _____

16. Tania bought 3 new sweaters. Each sold for $19.99. How much did she spend? _____

Name _____

Review 6

Dividing with Decimals

Day 3

Find 36.8 ÷ 16.

Place the decimal point. Think: $20\overline{)40}$ → 2 Try 2 in the quotient.	$16\overline{)36.8}$ → $2.$ -32 Multiply 2 × 16. 48 Subtract. Bring down 8. -48 Multiply 3 × 16. 0 Subtract.

Find each quotient.

1. $6\overline{)13.8}$ → $2.$, -12, $\square\square$, $-\square\square$, $\square$

2. $6\overline{)131.4}$

3. $9\overline{)141.3}$

4. $5\overline{)388.5}$

5. $7\overline{)669.2}$

6. $28\overline{)263.2}$

7. $41\overline{)274.7}$

8. $7\overline{)34.23}$

9. 269.12 ÷ 8 = _____

10. 311.56 ÷ 4 = _____

11. 2,229.62 ÷ 46 = _____

12. 1,449.09 ÷ 81 = _____

13. A photographer bought 36 rolls of film for $136.44. What was the price of one roll?

_____

14. Four students each ran 100 m in a 400-m relay race. The team's total time was 49.44 sec. Find the average time of each runner.

_____

3

Name _____

Review 8

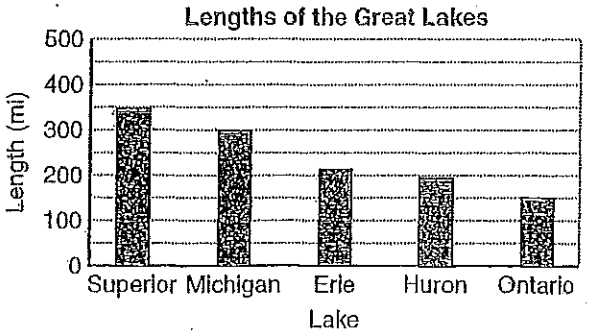
Interpreting Data

Day 4 - continued.

The **bar graph** shows the lengths in miles of the Great Lakes. Lengths of bars represent lengths of lakes.

Which is the shortest Great Lake?

The shortest lake is Lake Ontario.



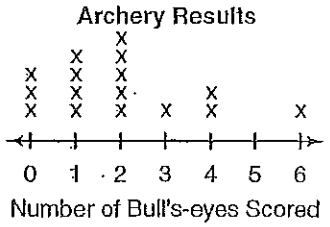
Use the graphs to answer each question.

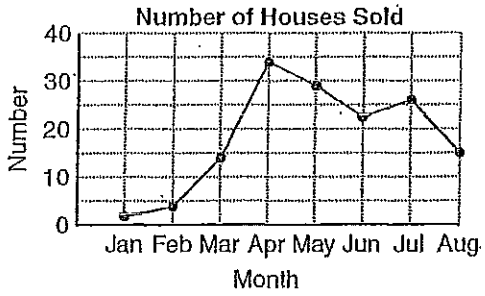
1. How many archers scored 4 bull's eyes?

_____

2. What was the most common number of bull's-eyes scored?

_____





3. In which month were the most houses sold?

_____

4. In which month were about the same number sold as were sold in August?

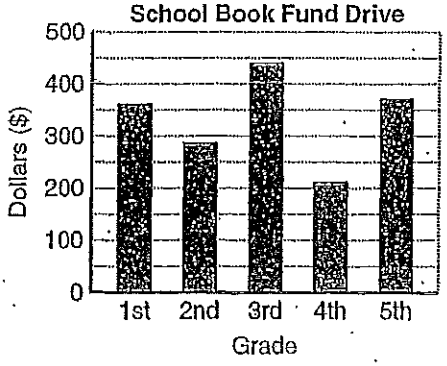
_____

5. Which grades raised about the same amount for the school book drive?

_____

6. The school's goal was to raise $1,500. About how much did they raise in all?

_____



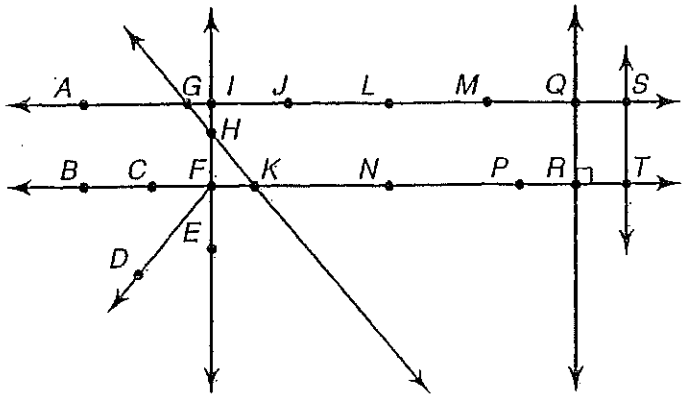
Name _____

Geometric Ideas

Day 4 continued

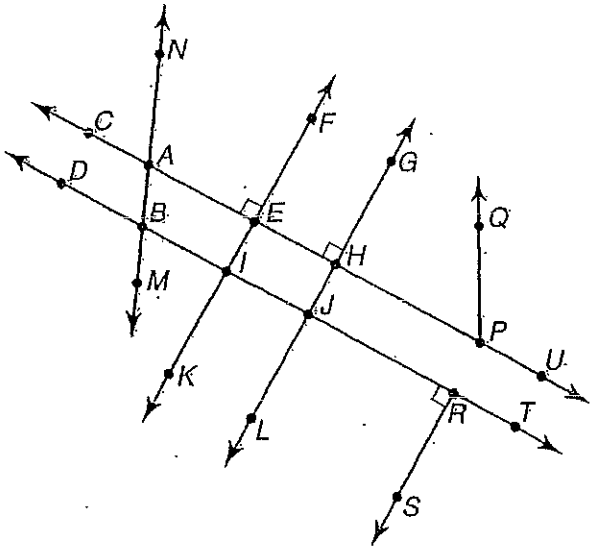
R 9-1

- A **line** is a straight path of points that goes on forever in two directions. Examples: $\overleftrightarrow{AS}$, $\overleftrightarrow{GK}$.
- A **ray** is a part of a line with one endpoint, extending forever in only one direction. Examples: $\overrightarrow{FD}$, $\overrightarrow{FB}$.
- A **line segment** is part of a line with two endpoints. Examples: $\overline{CF}$, $\overline{MQ}$.
- A **midpoint** is the point halfway between the endpoints of a line segment. Example: Point L is halfway between points J and M on $\overline{JM}$.



- **Congruent line segments** are line segments that have the same length. Example: $\overline{QR}$ is congruent to $\overline{ST}$.
- **Parallel lines** are in the same plane but do not intersect. Example: $\overleftrightarrow{AS}$ is parallel to $\overleftrightarrow{BT}$.

Use the diagram at the right. Name the following.



1. three line segments

   _____

2. two parallel lines

   _____

3. two lines that intersect $\overleftrightarrow{DT}$

   _____

4. two congruent line segments

   _____

5. two lines perpendicular to $\overleftrightarrow{BR}$

   _____

6. two midpoints of line segments

   _____

6

Name _____

Measuring and Drawing Angles

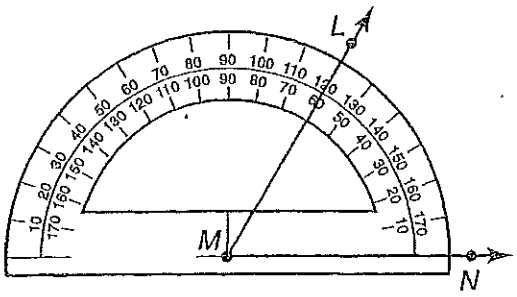
R 9-2

Day 4

How to measure an angle:

Step 1 Place the protractor's center on the angle's vertex.

Step 2 Place the 0° mark on one side of the angle.



$LMN = 60°$

Step 3 Use the scale beginning with the 0° mark to read the measurement where the other side of the angle crosses the protractor.

How to draw an angle:

continued

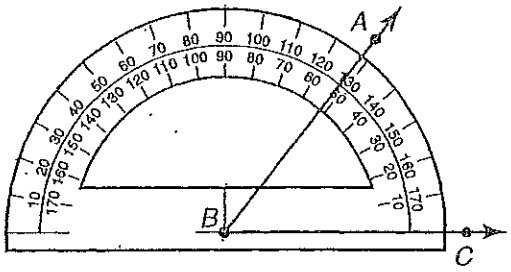
Draw an angle of 52°.

Step 1 Draw a ray.

Step 2 Place the protractor's center on the endpoint. Line up the ray with the 0° mark.

Step 3 Using the scale with the 0° mark, place a point at 52°.

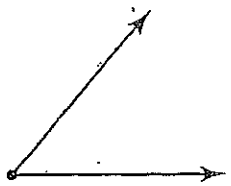
Step 4 Draw the other ray.



$\angle ABC = 52°$

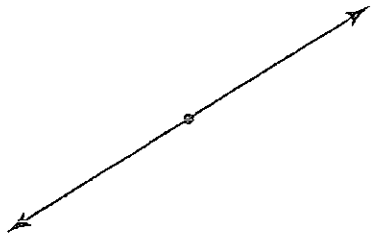
Classify each angle as acute, right, obtuse, or straight. Then measure the angle.

1.



_____

2.



_____

Draw an angle with each measure.

3. 45°

4. 120°

Name _____

Review 10

Adding and Subtracting Fractions

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

3	(6)	9	12	15
(6)	12	18	24	30

Multiples of 3

Multiples of 6

The least common denominator is 6.

Write equivalent fractions. $\frac{2}{3} = \frac{4}{6}$

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

$\frac{5}{6}$

Find $\frac{1}{4} - \frac{1}{5}$.

Day 5 → next pg too

4	8	12	16	(20)
5	10	15	(20)	25

Multiples of 4

Multiples of 5

The least common denominator is 20.

Write equivalent fractions. $\frac{1}{4} = \frac{5}{20}$

Subtract. $-\frac{1}{5} = \frac{4}{20}$

$\frac{1}{20}$

Find each sum or difference.

1. $\frac{1}{4} + \frac{2}{3} =$ _____

4			
3			

2. $\frac{11}{12} - \frac{5}{6} =$ _____

12			
6			

3. $\frac{1}{3} + \frac{4}{9} =$ _____

4. $\frac{3}{7} + \frac{2}{7} =$ _____

5. $\frac{11}{12} - \frac{5}{12} =$ _____

6. $\frac{1}{2} + \frac{1}{3} =$ _____

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

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

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

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

11. $\frac{2}{3} - \frac{1}{4} =$ _____

12. Meg practiced the piano for $\frac{5}{12}$ hr. She did homework for $\frac{3}{4}$ hr. How much longer did she do homework than she practiced the piano?

_____

Name _____

Adding Mixed Numbers

R 4-5

Day 5 continued

To add mixed numbers, you can add the fractional parts to the whole number parts, and then simplify.

Find $2\frac{2}{4} + 3\frac{1}{4}$.

The fractions have a common denominator. Add the fractions. Then add the whole numbers.

$$\begin{array}{r} 2\frac{2}{4} \\ +3\frac{1}{4} \\ \hline 5\frac{3}{4} \end{array}$$

Find $3\frac{2}{3} + 4\frac{1}{9}$.

Write equivalent fractions with the LCD.

$$\begin{array}{r} 3\frac{2}{3} = 3\frac{6}{9} \\ +4\frac{1}{9} = 4\frac{1}{9} \\ \hline \end{array}$$

Add the whole numbers. Add the fractions. Simplify if possible.

$$\begin{array}{r} 3\frac{6}{9} \\ +4\frac{1}{9} \\ \hline 7\frac{7}{9} \end{array}$$

Find $4 + 3\frac{3}{5}$.

Add the whole numbers; then add the fraction.

$$\begin{array}{r} 4 \\ +3\frac{3}{5} \\ \hline 7\frac{3}{5} \end{array}$$

Find each sum. Simplify your answer.

1. $2\frac{1}{5} + 2\frac{3}{5} =$ _____

2. $4\frac{2}{3} + 1\frac{1}{6} =$ _____

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

4. $8\frac{5}{8} + 1\frac{5}{12} =$ _____

5. $6\frac{1}{4} + 11\frac{3}{8} =$ _____

6. $7 + 8\frac{1}{3} =$ _____

7. In 2001, the men's indoor pole vault record was $20\frac{1}{6}$ ft. The women's record for the indoor pole vault was $15\frac{5}{12}$ ft. What is the combined height of the two records? _____

8. **Writing in Math** How high is a stack of library books if one book is $1\frac{3}{8}$ in. high, the second book is $1\frac{5}{6}$ in. high, and the third is $2\frac{1}{3}$ in. high? Explain how you solved this problem.

_____

_____

_____

Name _____

Review 12

Subtracting Mixed Numbers

Day 6

Subtract $3\frac{2}{3} - 2\frac{1}{6}$.

Write equivalent fractions.	*Subtract the fractions.*	*Subtract the whole numbers. Simplify.*
$3\frac{2}{3} = 3\frac{4}{6}$ $-\ 2\frac{1}{6} = 2\frac{1}{6}$ The LCD of 3 and 6 is 6.	$3\frac{2}{3} = 3\frac{4}{6}$ $-\ 2\frac{1}{6} = 2\frac{1}{6}$ $\frac{3}{6}$	$3\frac{2}{3} = 3\frac{4}{6}$ $-\ 2\frac{1}{6} = 2\frac{1}{6}$ $1\frac{3}{6} = 1\frac{1}{2}$

Find each difference. Simplify.

1. $3\frac{1}{3} = 3\frac{5}{15}$
   $-\ 2\frac{1}{5} = 2\frac{3}{15}$

2. $2\frac{1}{3} = 2\frac{2}{6}$
   $-\ 1\frac{1}{6} = 1\frac{1}{6}$

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

4. $6\frac{5}{8}$
   $-\ 2\frac{1}{8}$

5. $3\frac{7}{10}$
   $-\ 1\frac{2}{5}$

6. $7\frac{7}{8}$
   $-\ 2\frac{3}{4}$

7. $3\frac{3}{4}$
   $-\ 2\frac{1}{6}$

8. $5\frac{5}{6}$
   $-\ 1\frac{1}{8}$

9. $2\frac{2}{3} - 1\frac{1}{4} =$ _____

10. $4\frac{3}{4} - 4\frac{2}{5} =$ _____

11. $2\frac{1}{3} - 1\frac{2}{3} =$ _____

12. $4\frac{4}{9} - 3\frac{2}{3} =$ _____

13. $3\frac{3}{8} - 2\frac{5}{6} =$ _____

14. $5\frac{1}{3} - 2\frac{5}{8} =$ _____

15. Greg found two rocks for his collection. One weighed $4\frac{1}{4}$ lb and the other weighed $2\frac{7}{8}$ lb. Find the difference in weights. _____