

GRADE 5 Horizons Math Readiness Evaluation

1. Find the quotient.

$$4 \overline{) \$24.08} \quad 2 \overline{) \$2.38} \quad 3 \overline{) \$23.67} \quad 11 \overline{) \$26.07} \quad 15 \overline{) \$77.70}$$

2. Estimate by rounding two-digit numbers to the 10's and three-digit numbers to the 100's.

$$8 \overline{) 678} \quad 14 \overline{) 896} \quad 87 \overline{) 913} \quad 28 \overline{) 609} \quad 18 \overline{) 792}$$

3. Draw a picture to solve the problem.

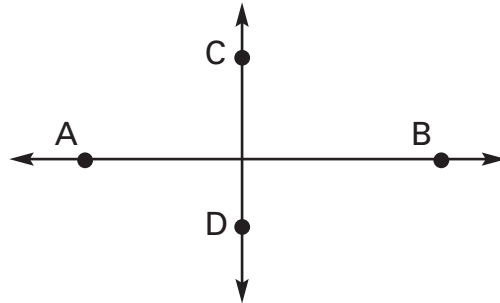
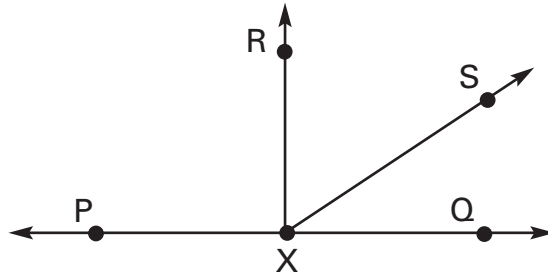
Four girls were in line for the movies. Dottie was behind Elaine. Karen was last. Tami was ahead of Elaine. Who was first in line?

4. Match. Place the appropriate letter next to the definition.

- |                       |  |
|-----------------------|--|
| ___ 1. 1665           | a. 12:00 midnight to 12:00 noon.       |
| ___ 2. BC             | b. Anno Domini—in the year of our Lord |
| ___ 3. AD             | c. 1 hour                              |
| ___ 4. decade         | d. 1 minute                            |
| ___ 5. century        | e. eight-sided figure                  |
| ___ 6. millennium     | f. 3-sided figure                      |
| ___ 7. 60 minutes     | g. 1,000 years                         |
| ___ 8. 24 hours       | h. 10 years                            |
| ___ 9. 60 seconds     | i. Before Christ                       |
| ___ 10. AM            | j. 17th century                        |
| ___ 11. pentagon      | k. five-sided figure                   |
| ___ 12. hexagon       | l. 1 day                               |
| ___ 13. octagon       | m. 100 years                           |
| ___ 14. triangle      | n. four-sided figure                   |
| ___ 15. quadrilateral | o. six-sided figure                    |

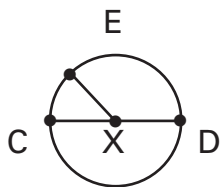
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5.



1. Name two angles that are acute. \_\_\_\_\_
2. Name two angles that are right angles. \_\_\_\_\_
3. Name two lines that are parallel. \_\_\_\_\_
4. Name two lines that are perpendicular. \_\_\_\_\_

6.



1. Name the circle. \_\_\_\_\_
2. The diameter is 4 cm. What is the length of  $\overline{XD}$ ? \_\_\_\_\_
3. What is the length of  $\overline{CX}$ ? \_\_\_\_\_
4. Name the diameter. \_\_\_\_\_
5. Circle M is twice as big as the circle pictured above. What is the diameter of Circle M? \_\_\_\_\_

7. Draw a similar and congruent figure. Draw the lines of symmetry.

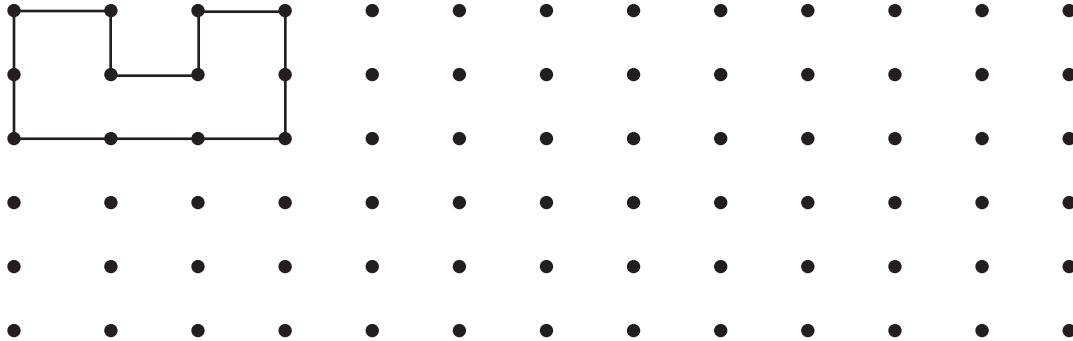
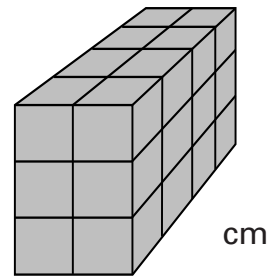


Figure A



Figure B



8. Find the perimeter and area of figure A. Find the volume of figure B.

9. Give the missing numerator or denominator.

Find the equal ratios by multiplying.

$$\frac{3}{9} = \frac{9}{n}$$

$$\frac{2}{3} = \frac{28}{n}$$

$$\frac{6}{8} = \frac{n}{64}$$

$$\frac{1}{9} = \frac{9}{n}$$

10. Find the sum or difference. Make sure the answer is in lowest terms.

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

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

$$\frac{9}{12} - \frac{3}{12} = \underline{\hspace{2cm}}$$

$$\frac{5}{7} + \frac{1}{7} = \underline{\hspace{2cm}}$$

$$\frac{7}{14} + \frac{6}{14} = \underline{\hspace{2cm}}$$

$$\frac{7}{9} + \frac{6}{9} = \underline{\hspace{2cm}}$$

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11. Find the sum. Make sure the answer is in lowest terms.

$$\frac{1}{4} + \frac{2}{8} = \underline{\hspace{2cm}} \quad \frac{5}{15} + \frac{1}{3} = \underline{\hspace{2cm}} \quad \frac{6}{10} + \frac{1}{5} = \underline{\hspace{2cm}}$$

$$\frac{2}{12} + \frac{2}{4} = \underline{\hspace{2cm}} \quad \frac{2}{3} + \frac{1}{12} = \underline{\hspace{2cm}} \quad \frac{2}{5} + \frac{1}{3} = \underline{\hspace{2cm}}$$

12. Find the sum or difference. Reduce to lowest terms.

$$\begin{array}{r} 5 \frac{2}{6} \\ + 3 \frac{1}{6} \\ \hline \end{array} \quad \begin{array}{r} 12 \frac{3}{7} \\ + 16 \frac{2}{7} \\ \hline \end{array} \quad \begin{array}{r} 9 \frac{5}{6} \\ - 9 \frac{2}{6} \\ \hline \end{array} \quad \begin{array}{r} 38 \frac{7}{12} \\ - 28 \frac{3}{12} \\ \hline \end{array} \quad \begin{array}{r} 16 \frac{5}{9} \\ - \frac{5}{9} \\ \hline \end{array}$$

13. < , > , or =.

$$4.9 \bigcirc 4.1 \quad 1.9 \bigcirc 1.90 \quad 9.03 \bigcirc 9.33 \quad 0.06 \bigcirc 0.060$$

14. Find the sum or difference.

$$\begin{array}{r} 48.902 \\ + 4.342 \\ \hline \end{array} \quad \begin{array}{r} 465.001 \\ + 233.021 \\ \hline \end{array} \quad \begin{array}{r} 30.956 \\ - 29.824 \\ \hline \end{array} \quad \begin{array}{r} 7.76 \\ - 0.94 \\ \hline \end{array}$$

15. Complete.

Kilo	Hecto	Deka	Basic Unit (Meter, Liter or Gram)	deci	centi	milli

$$890 \text{ mm} = \underline{\hspace{2cm}} \text{ cm} \quad 78.89 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$$

$$587 \text{ mm} = \underline{\hspace{2cm}} \text{ m} \quad 8.54 \text{ Km} = \underline{\hspace{2cm}} \text{ dm}$$

$$656 \text{ m} = \underline{\hspace{2cm}} \text{ mm} \quad 7.001 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$$