1.6 Quiz: Multiplication tables　　　　　　　**Mental math - no calculators**

1. Perform the calculation.　　　*3.OA.7 Fluently multiply and divide within 100*

　(a) $3 \times 4 =$

　(b) $6 \times 7 =$

　(c) $9 \times 2 =$

　(d) $5 \times 8 =$

　(e) $6 \times 9 =$

　(f) $7 \times 7 =$

2. Find each quotient.　*3.OA.7 Use the relationship between multiplication and division*

　(a) $15 \div 3 =$

　(b) $42 \div 7 =$

　(c) $27 \div 9 =$

　(d) $64 \div 8 =$

　(e) $36 \div 6 =$

　(f) $35 \div 5 =$

3. Convert between fractions and percentages.

　(a) $\frac{1}{4} =$

　(b) $\frac{1}{3} =$

　(c) $\frac{4}{5} =$

　(d) $66\frac{2}{3}\% =$

　(e) $75\% =$

　(f) $40\% =$

4. Simplify the expression by combining like terms.

　(a) $2x + 6x =$

　(b) $10y - 5y =$

　(c) $7w - 6w + 2w =$

　(d) $-4a + 10a - 8a =$

　(e) $3x^2 - 5x^2 =$

　(f) $5y^2 + 8y^2 =$

5. Use the function $f(x) = 5x - 10$ to answer the questions.

   (a) What is $f(3)$?

   (c) What is x when $f(x) = 10$?

   (b) Find $f(-1)$

6. Construct the perpendicular bisector. Fill in the blanks in the steps.

   (a) Given the line segment $\overline{AB}$.

   (b) Construct circle A with radius _____.

   (c) Construct circle _____ with radius _____.

   (d) Label the intersections of the two circles, C and D.

   (e) Draw line $\overleftrightarrow{CD}$.

   (f) The line $\overleftrightarrow{CD}$ is the perpendicular bisector of $\overline{AB}$.

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