

1.4 Pre-Quiz: Multiplication tables

Mental math - no calculators

1. Perform the calculation.

3.OA.7 Fluently multiply and divide within 100

(a) $2 \times 3 =$

(d) $1 \times 8 =$

(b) $4 \times 5 =$

(e) $6 \times 2 =$

(c) $7 \times 9 =$

(f) $9 \times 4 =$

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

(a) $16 \div 2 =$

(d) $72 \div 8 =$

(b) $36 \div 6 =$

(e) $18 \div 9 =$

(c) $24 \div 3 =$

(f) $30 \div 5 =$

3. Convert between fractions and percentages.

(a) $\frac{1}{2} =$

(d) $20\% =$

(b) $\frac{2}{5} =$

(e) $25\% =$

(c) $\frac{2}{3} =$

(f) $33\frac{1}{3}\% =$

4. Simplify the expression by combining like terms.

(a) $1x + 5x =$

(d) $-3y + 9y - 6y =$

(b) $14y - 7y =$

(e) $4x^2 - 6x^2 =$

(c) $9z - 8z + z =$

(f) $7y^2 + 12y^2 =$

5. Use the function $f(x) = -2x - 8$ to answer the questions.

(a) What is $f(0)$?

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

(b) Find $f(-3)$

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, P and Q .

(e) Draw line \overleftrightarrow{PQ} .

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

