First and last name:

Section:

☐ I brought a math notebook to class today.

☐ I brought a math folder for handouts.

1.1 Do Now: Multiplication tables   **Mental math - no calculators**

1. 3.OA.7 Fluently multiply and divide within 100

   (a) $5 \times 6 =$

   (b) $7 \times 3 =$

   (c) $9 \times 8 =$

   (d) $3 \times 4 =$

   (e) $8 \times 7 =$

   (f) $4 \times 6 =$

2. 3.OA.7 Use the relationship between multiplication and division, know from memory all products of two one-digit numbers.

   (a) $20 \div 4 =$

   (b) $48 \div 8 =$

   (c) $32 \div 4 =$

   (d) $45 \div 9 =$

   (e) $18 \div 6 =$

   (f) $42 \div 7 =$

3. Convert between fractions and percentages.

   (a) $\frac{1}{4} =$

   (b) $\frac{1}{3} =$

   (c) $\frac{5}{4} =$

   (d) $50\% =$

   (e) $75\% =$

   (f) $66\frac{2}{3}\% =$

4. Simplify the expression by combining like terms.

   (a) $3x + 2x =$

   (b) $4y - 2y =$

   (c) $5x - 3x + 2x =$

   (d) $-7y + 3y - 2y =$

   (e) $3x^2 + 2x^2 =$

   (f) $-4y^2 + 2y^2 =$

5. Perform the operations and simplify the expression.

(a) $\dfrac{1}{4} + \dfrac{1}{4} =$

(b) $\dfrac{3}{10} + \dfrac{2}{5} =$

(c) $\dfrac{2}{3} + \dfrac{1}{3} =$

(d) $\dfrac{1}{2} - \dfrac{1}{6} =$

(e) $\dfrac{3}{4} - \dfrac{1}{8} =$

(f) $\dfrac{1}{2} - \dfrac{1}{4} =$

6. Round to the accuracy stated.

(a) nearest hundredth: 0.125

(b) nearest tenth: 5.7111

(c) nearest thousandth: 11.54795

(d) nearest tenth: 9.9505

(e) nearest hundredth: π

(f) nearest hundredth: $\sqrt{2}$

7. 6.EE.A.1 Evaluate numerical expressions involving whole-number exponents.

(a) $3^2 =$

(b) $7^2 =$

(c) $9^2 =$

(d) $2^3 =$

(e) $3^3 =$

(f) $4^3 =$

8. 8.EE.A.2 Evaluate square roots of small perfect squares and cube roots of small perfect cubes.

(a) $\sqrt{25} =$

(b) $\sqrt{64} =$

(c) $\sqrt{4} =$

(d) $\sqrt{36} =$

(e) $\sqrt[3]{1} =$

(f) $\sqrt[3]{125} =$