

Incoming 6th Grade Math Summer Packet

Compare and Order Whole NumbersUse $<$, $>$, or $=$ to compare the whole numbers.

1. 1,615 _____ 1,015

2. 549 _____ 2,986

3. 7,099 _____ 9,001

4. 14,999 _____ 15,000

5. 24,777 _____ 3,052

6. 98,455 _____ 98,450

Compare DecimalsUse $<$, $>$, or $=$ to compare the decimals.

7. 0.993 _____ 0.421

8. 1.499 _____ 1.500

9. 5.16 _____ 5.160

10. 1.009 _____ 1.09

11. 4.087 _____ 3.987

12. 0.11 _____ 1.066

Multiply or Divide to Find Equivalent Fractions

Multiply or divide to find the equivalent fraction.

1. $\frac{4}{5} = \frac{\square}{15}$

2. $\frac{9}{12} = \frac{3}{\square}$

3. $\frac{5}{8} = \frac{\square}{24}$

Compare FractionsComplete the statement using the symbol $<$, $>$, or $=$.

4. $\frac{7}{8}$ _____ $\frac{9}{8}$

5. $\frac{5}{8}$ _____ $\frac{5}{9}$

6. $\frac{3}{4}$ _____ $\frac{5}{6}$

Compare DecimalsComplete the statement using the symbol $<$, $>$, or $=$.

7. 0.51 _____ 0.46

8. 1.073 _____ 1.703

9. 3.60 _____ 3.6

Factors

Find all factor pairs for each number.

1. 18

2. 21

3. 48

4. 65

Add Fractions and Decimals

Find each sum or difference.

5. $7.2 + 2.6$

6. $8.5 - 7$

7. $7.55 - 3.25$

8. $\frac{1}{3} + \frac{1}{5}$

9. $\frac{9}{10} - \frac{7}{8}$

10. $\frac{1}{6} + \frac{5}{12}$

Multiply Fractions

Find each product.

11. $\frac{3}{4} \times \frac{5}{8}$

12. $\frac{5}{6} \times \frac{9}{10}$

13. $\frac{1}{2} \times \frac{1}{4}$

Divide with Unit Fractions and Whole Numbers

Find each quotient.

14. $6 \div \frac{1}{3}$

15. $1 \div \frac{1}{10}$

16. $\frac{1}{4} \div 6$

Place Value of Decimals

Complete each statement.

1. The value of 3 in 10.31 is _____ times as much as the value of 3 in 10.13.
2. The value of 8 in 5.18 is _____ of the value of 8 in 5.81.
3. The value of 7 in 17.92 is _____ times as much as the value of 7 in 92.17.

Compare DecimalsComplete the inequality or equation using the symbols $<$, $>$, or $=$.

4. 0.54 _____ 0.6 5. 1.30 _____ 1.3 6. 0.22 _____ 0.18

Add Fractions and Decimals

Complete the number sentence.

7. $2.67 + 8.52 =$ _____
8. $14.38 + 31.73 =$ _____

Multiply with Decimals

Complete the number sentence.

9. $3.14 \times 6.25 =$ _____
10. $5.02 \times 7.35 =$ _____

Division

Find the quotient.

11. $7,296 \div 24 =$ _____
12. $9,216 \div 18 =$ _____

Multiply or Divide to Find Equivalent Fractions

Multiply or divide to find the equivalent fraction.

1. $\frac{5}{8} = \frac{\square}{32}$

2. $\frac{45}{55} = \frac{9}{\square}$

3. $\frac{\square}{7} = \frac{16}{28}$

Find two equivalent fractions, one by multiplying and one by dividing.

4. $\frac{12}{16}$

5. $\frac{8}{10}$

6. $\frac{9}{15}$

Multiply or Divide to Find Equivalent Fractions

Multiply or divide to find the equivalent fraction.

1. $\frac{21}{60} = \frac{\square}{360}$

2. $\frac{51}{120} = \frac{\square}{360}$

3. $\frac{143}{180} = \frac{\square}{360}$

Relate Fractions and Decimals

Write each fraction as a decimal.

1. $\frac{7}{10} =$ _____

2. $\frac{3}{10} =$ _____

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

4. $\frac{5}{10} =$ _____

5. $\frac{12}{100} =$ _____

6. $\frac{73}{100} =$ _____

7. $\frac{45}{100} =$ _____

8. $\frac{90}{100} =$ _____

Write Decimals as Fractions

Write each decimal as a fraction with a denominator of 10 or 100.

9. $0.6 =$ _____

10. $0.8 =$ _____

11. $0.16 =$ _____

12. $0.25 =$ _____

13. $0.3 =$ _____

14. $0.24 =$ _____

15. $0.52 =$ _____

16. $0.44 =$ _____