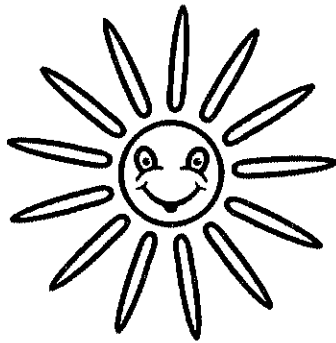


Grade 7



Summer Math 2024

Name: _____

1

Long division with a 2-digit divisor

Grade 6 Division Worksheet

Find the quotient.

1. $89 \overline{) 40,731}$

2. $94 \overline{) 4,552}$

3. $42 \overline{) 11,167}$

4. $72 \overline{) 13,714}$

5. $24 \overline{) 91,937}$

6. $70 \overline{) 61,261}$



Writing numbers in expanded form

Grade 6 Place Value Worksheet

Write each number in expanded form.

1. 7,010,181

2. 208,058,488

3. 232,913,805

4. 2,711,783

5. 7,389

6. 6,541,775

7. 7,845,822

8. 429,772,692

9. 79,905

10. 80,621

Writing numbers in scientific notation

Grade 6 Scientific Notation Worksheet

Provide the scientific notation for each value.

1. 5,740,000 = _____
2. 88,900,000 = _____
3. 17,000 = _____
4. 730,000,000 = _____
5. 62,450,000 = _____
6. 557,230,000,000 = _____
7. 584,200,000,000 = _____
8. 96,000,000,000 = _____
9. 53,890,000 = _____
10. 8,589,000 = _____



Multiplying 4-digit by 3-digit numbers

Grade 6 Multiplication Worksheet

Find the product.

1.
$$\begin{array}{r} 9,309 \\ \times 931 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 6,337 \\ \times 182 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 9,899 \\ \times 867 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 4,415 \\ \times 401 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 8,037 \\ \times 330 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 8,647 \\ \times 695 \\ \hline \end{array}$$

Addition of mixed numbers

Grade 6 Fraction Worksheet

Find the sum of the following fractions.

1. $15 \frac{27}{30} + 7 \frac{5}{6} =$ _____

2. $7 \frac{1}{5} + 1 \frac{5}{8} =$ _____

3. $4 \frac{11}{12} + 2 \frac{13}{15} =$ _____

4. $14 \frac{13}{15} + 12 \frac{7}{15} =$ _____

5. $8 \frac{1}{6} + 16 \frac{3}{25} =$ _____

6. $11 \frac{15}{16} + 9 \frac{16}{18} =$ _____

7. $13 \frac{14}{25} + 3 \frac{3}{20} =$ _____

8. $19 \frac{13}{30} + 9 \frac{35}{50} =$ _____

9. $8 \frac{4}{7} + 5 \frac{3}{9} =$ _____

10. $11 \frac{39}{50} + 19 \frac{2}{19} =$ _____

Fractions to mixed numbers (harder)

Grade 6 Fraction Worksheet

Convert the fractions into mixed numbers.

1. $\frac{14}{3} =$ _____

2. $\frac{110}{17} =$ _____

3. $\frac{156}{14} =$ _____

4. $\frac{118}{13} =$ _____

5. $\frac{52}{6} =$ _____

6. $\frac{64}{15} =$ _____

7. $\frac{230}{21} =$ _____

8. $\frac{58}{20} =$ _____

9. $\frac{135}{25} =$ _____

10. $\frac{34}{4} =$ _____

11. $\frac{23}{2} =$ _____

12. $\frac{77}{9} =$ _____

13. $\frac{67}{10} =$ _____

14. $\frac{47}{12} =$ _____

15. $\frac{141}{11} =$ _____

16. $\frac{11}{4} =$ _____

17. $\frac{232}{19} =$ _____

18. $\frac{98}{13} =$ _____

Subtraction of mixed numbers (harder)

Grade 6 Fraction Worksheet

Find the difference.

1. $17 \frac{18}{25} - 16 \frac{3}{6} =$ _____

2. $19 \frac{5}{8} - 6 \frac{4}{30} =$ _____

3. $13 \frac{2}{9} - 3 \frac{1}{3} =$ _____

4. $19 \frac{4}{5} - 7 \frac{1}{4} =$ _____

5. $18 \frac{18}{40} - 4 \frac{15}{20} =$ _____

6. $13 \frac{2}{11} - 6 \frac{1}{4} =$ _____

7. $20 \frac{5}{6} - 20 \frac{1}{2} =$ _____

8. $19 \frac{9}{10} - 10 \frac{24}{25} =$ _____

9. $17 \frac{5}{8} - 15 \frac{1}{3} =$ _____

10. $15 \frac{2}{5} - 1 \frac{5}{12} =$ _____

Simplifying improper and proper fractions

Grade 6 Fraction Worksheet

Simplify the fractions.

1. $\frac{395}{500} =$ _____

2. $\frac{9}{15} =$ _____

3. $\frac{520}{105} =$ _____

4. $\frac{33}{45} =$ _____

5. $\frac{132}{36} =$ _____

6. $\frac{416}{80} =$ _____

7. $\frac{68}{16} =$ _____

8. $\frac{342}{60} =$ _____

9. $\frac{8}{24} =$ _____

10. $\frac{68}{32} =$ _____

11. $\frac{46}{8} =$ _____

12. $\frac{120}{150} =$ _____

13. $\frac{230}{50} =$ _____

14. $\frac{18}{90} =$ _____

Converting fractions to/from decimals

Grade 6 Fraction Worksheet

Convert the fractions to decimals and the decimals to fractions.

1. $9\frac{4}{8} =$ _____

2. $10.75 =$ _____

3. $7.125 =$ _____

4. $7\frac{14}{20} =$ _____

5. $7.5 =$ _____

6. $6.5 =$ _____

7. $4\frac{9}{25} =$ _____

8. $1.333 =$ _____

9. $4\frac{28}{100} =$ _____

10. $10.222 =$ _____

11. $4.68 =$ _____

12. $5.333 =$ _____



Converting Decimals to Mixed Numbers

Grade 6 Fraction Worksheet

Convert the following decimals to mixed numbers.

1. $8.05 =$ _____

2. $2.32 =$ _____

3. $9.1 =$ _____

4. $4.2 =$ _____

5. $1.15 =$ _____

6. $6.4 =$ _____

7. $6.44 =$ _____

8. $2.8 =$ _____

9. $5.91 =$ _____

10. $7.6 =$ _____

11. $4.61 =$ _____

12. $5.9 =$ _____

13. $9.8 =$ _____

14. $5.3 =$ _____

15. $8.31 =$ _____

16. $8.9 =$ _____

Subtraction of integers

Grade 6 Integers Worksheet

Find the difference.

1. $-6 - 5 =$ _____ 2. $-3 - 8 =$ _____ 3. $5 - 19 =$ _____

4. $-7 - -13 =$ _____ 5. $-5 - 8 =$ _____ 6. $-29 - -21 =$ _____

7. $-8 - -5 =$ _____ 8. $8 - -8 =$ _____ 9. $-14 - -19 =$ _____

10. $3 - -14 =$ _____ 11. $3 - -13 =$ _____ 12. $-12 - -24 =$ _____

13. $-6 - 30 =$ _____ 14. $-4 - 3 =$ _____ 15. $-24 - -22 =$ _____

16. $2 - -2 =$ _____ 17. $-14 - -4 =$ _____ 18. $-16 - -27 =$ _____

19. $-3 - -2 =$ _____ 20. $18 - -5 =$ _____ 21. $29 - -24 =$ _____



Addition of 4 integers

Grade 6 Integers Worksheet

Find the sum.

1. $-13 + 5 + -4 + -5 =$ _____

2. $12 + 7 + -13 + 18 =$ _____

3. $-13 + 8 + 11 + -13 =$ _____

4. $1 + -20 + -16 + 4 =$ _____

5. $20 + -6 + -5 + 17 =$ _____

6. $-12 + -19 + -5 + -4 =$ _____

7. $8 + 0 + -7 + -8 =$ _____

8. $1 + 12 + 3 + -6 =$ _____

9. $1 + 11 + -5 + -5 =$ _____

10. $18 + 9 + 19 + -8 =$ _____

11. $4 + -6 + 15 + -13 =$ _____

12. $2 + 4 + 5 + -10 =$ _____

13. $7 + -8 + 3 + -8 =$ _____

14. $9 + -14 + 4 + -12 =$ _____

15. $7 + -8 + 20 + 2 =$ _____

16. $11 + -9 + 19 + 14 =$ _____



Percentage of decimal numbers

Grade 6 Percents Worksheet

Calculate the given percent of each value.

1. 21% of 0.31 =

2. 92% of 3.9 =

3. 69% of 9.1 =

4. 37% of 6.3 =

5. 11% of 1.1 =

6. 77% of 6.6 =

7. 71% of 1.3 =

8. 91% of 7.7 =

9. 14% of 0.81 =

10. 94% of 0.92 =

11. 77% of 4 =

12. 79% of 0.67 =

13. 26% of 3.4 =

14. 90% of 7.7 =

15. 65% of 5.2 =

16. 87% of 0.82 =



Solving proportions

Grade 6 Proportions Worksheet

Complete the proportions by finding the value of the missing numbers.

1. $\frac{75}{100} = \frac{\quad}{400}$

2. $\frac{11}{16} = \frac{77}{\quad}$

3. $\frac{4}{20} = \frac{36}{\quad}$

4. $\frac{1}{3} = \frac{4}{\quad}$

5. $\frac{12}{14} = \frac{120}{\quad}$

6. $\frac{6}{\quad} = \frac{42}{70}$

7. $\frac{44}{\quad} = \frac{176}{200}$

8. $\frac{1}{6} = \frac{10}{\quad}$

9. $\frac{4}{\quad} = \frac{36}{99}$

10. $\frac{15}{18} = \frac{\quad}{72}$

11. $\frac{31}{\quad} = \frac{248}{320}$

12. $\frac{15}{\quad} = \frac{135}{225}$

13. $\frac{6}{8} = \frac{54}{\quad}$

14. $\frac{1}{\quad} = \frac{4}{60}$

Equations with exponents – including decimal and fractional bases

Grade 6 Exponents Worksheet

Solve the following expressions.

1) $\left(\frac{1}{2}\right)^5 \times 4^2$

7) $0^3 \div \left(\frac{1}{12}\right)^6$

2) $0.1^2 \times 10^3$

8) $\left(\frac{9}{7}\right)^2 + \left(\frac{2}{7}\right)^3$

3) $\left(\frac{2}{5}\right)^3 \div 0.5^2$

9) $\left(\frac{5}{3}\right)^3 \times \left(\frac{3}{2}\right)^2$

4) $3^3 \times \left(\frac{2}{13}\right)^0$

10) $5^3 \times 0.5^3$

5) $9^2 + 1.2^1$

11) $\left(\frac{1}{4}\right)^2 - \left(\frac{1}{8}\right)^2$

6) $2.1^2 - 3^2$

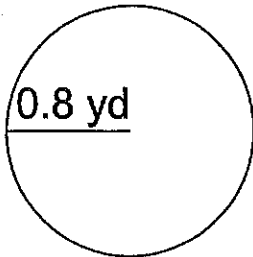
12) $0.5^1 + 0.8^2$

Area and circumference of a circle

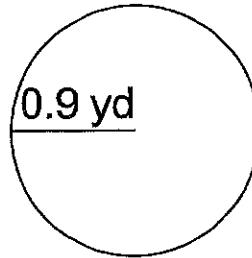
Grade 6 Geometry Worksheet

Calculate the area and circumference of each circle.

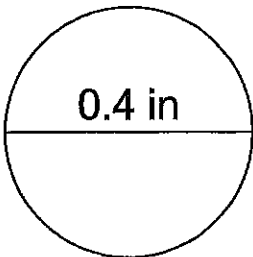
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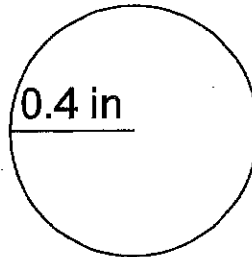
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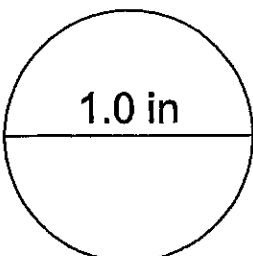
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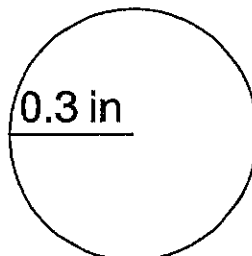
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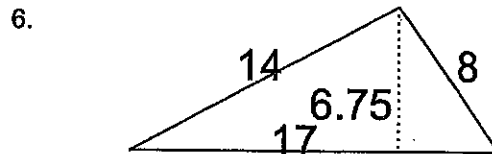
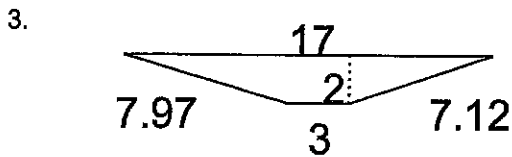
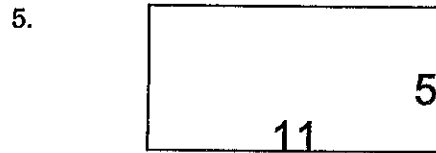
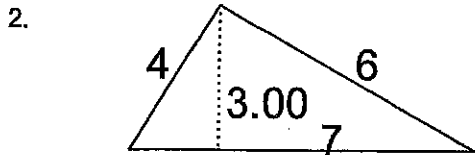
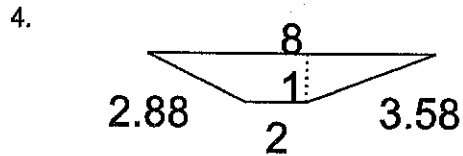
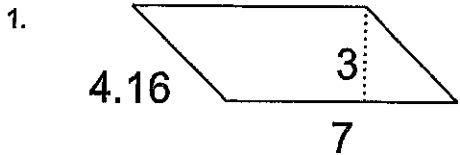
6.



Area of triangles and quadrilaterals

Grade 6 Geometry Worksheet

Find the area.





Conversion of customary units of measurement

Grade 6 Measurements Worksheet

Convert the given measures to new units.

1. 81 c = _____ qt 11. 29 oz = _____ lb

2. 65 yd = _____ mi 12. 72 t = _____ lb

3. 72 oz = _____ t 13. 30 lb = _____ t

4. 27 in = _____ ft 14. 96 c = _____ pt

5. 37 qt = _____ gal 15. 79 pt = _____ qt

6. 59 in = _____ ft 16. 50 gal = _____ pt

7. 41 gal = _____ c 17. 67 qt = _____ pt

8. 51 gal = _____ c 18. 70 t = _____ oz

9. 30 gal = _____ qt 19. 32 t = _____ oz

10. 43 t = _____ oz 20. 12 lb = _____ t

Long division of decimals by decimals

Grade 6 Decimals Worksheet

Find the quotient and round the answers to 6 decimal places.

1. $0.005 \overline{)7.12}$

2. $0.002 \overline{)43.4}$

3. $0.2 \overline{)7.17}$

4. $0.03 \overline{)0.96}$

5. $0.6 \overline{)42.0}$

6. $0.8 \overline{)0.90}$



Multiplying decimals in columns

Grade 6 Decimals Worksheet

Find the product.

1.
$$\begin{array}{r} 8.1 \\ \times 0.900 \\ \hline \\ \hline \end{array}$$

2.
$$\begin{array}{r} 0.0061 \\ \times 0.200 \\ \hline \\ \hline \end{array}$$

3.
$$\begin{array}{r} 2.2 \\ \times 4.00 \\ \hline \\ \hline \end{array}$$

4.
$$\begin{array}{r} 0.83 \\ \times 0.0100 \\ \hline \\ \hline \end{array}$$

5.
$$\begin{array}{r} 0.0080 \\ \times 0.700 \\ \hline \\ \hline \end{array}$$

6.
$$\begin{array}{r} 0.0079 \\ \times 50.0 \\ \hline \\ \hline \end{array}$$

7.
$$\begin{array}{r} 0.0082 \\ \times 40.0 \\ \hline \\ \hline \end{array}$$

8.
$$\begin{array}{r} 0.033 \\ \times 0.0500 \\ \hline \\ \hline \end{array}$$

9.
$$\begin{array}{r} 0.0063 \\ \times 0.0600 \\ \hline \\ \hline \end{array}$$

Addition of Decimals

Grade 6 Decimals Worksheet

Find the sum.

1. $4.3 + 0.00000 =$ _____

2. $0.028 + 0.007 =$ _____

3. $44.53 + 0.0005 =$ _____

4. $0.006 + 0.099 =$ _____

5. $0.06266 + 0.6 =$ _____

6. $0.001 + 0.675 =$ _____

7. $83.12 + 0.00660 =$ _____

8. $0.00009 + 0.00625 =$ _____

