

Grade 6

Summer Math Packet



St. Regis Catholic School

Name _____

Use this packet to review and refresh your math skills from 6th grade in preparation for 7th grade math


Check What You Know
Understanding the Number System and Operations

Multiply or divide.

8. **a**

$$\begin{array}{r} 312 \\ \times 263 \\ \hline \end{array}$$

b

$$\begin{array}{r} 428 \\ \times 321 \\ \hline \end{array}$$

c

$$\begin{array}{r} 2185 \\ \times 216 \\ \hline \end{array}$$

d

$$\begin{array}{r} 3372 \\ \times 351 \\ \hline \end{array}$$

9. $73 \overline{)6278}$

$54 \overline{)8239}$

$27 \overline{)54702}$

$83 \overline{)96542}$

10. $\begin{array}{r} 2.86 \\ \times 0.3 \\ \hline \end{array}$

$\begin{array}{r} 0.82 \\ \times 0.43 \\ \hline \end{array}$

$\begin{array}{r} \$78.53 \\ \times 16 \\ \hline \end{array}$

$\begin{array}{r} 3.21 \\ \times 8.72 \\ \hline \end{array}$

11. $0.08 \overline{)64}$

$0.3 \overline{)726}$

$0.83 \overline{)2.1995}$

$14 \overline{)\$7.70}$

SHOW YOUR WORK

Solve each problem.

12. One bag of peanuts costs \$1.52. How many bags can you buy with \$34.96?

You can buy _____ bags.

13. A box containing 78.4 pounds of coffee will be divided into containers that hold 0.56 pounds each. How many containers can be filled?

_____ containers can be filled.

12.

13.

Lesson 1.3 Multi-Digit Multiplication

Multiply 3,263 by 3.

$$\begin{array}{r} 3263 \\ \times 3 \\ \hline 9789 \end{array}$$

Multiply 3,263 by 40.

$$\begin{array}{r} 3263 \\ \times 40 \\ \hline 130520 \end{array}$$

Add.

$$\begin{array}{r} 3263 \\ \times 43 \\ \hline 9789 \\ + 130520 \\ \hline 140,309 \end{array}$$

Multiply.

a

$$1. \quad \begin{array}{r} 324 \\ \times 27 \\ \hline \end{array}$$

b

$$\begin{array}{r} 816 \\ \times 16 \\ \hline \end{array}$$

c

$$\begin{array}{r} 255 \\ \times 44 \\ \hline \end{array}$$

d

$$\begin{array}{r} 2165 \\ \times 23 \\ \hline \end{array}$$

2.

$$\begin{array}{r} 5150 \\ \times 22 \\ \hline \end{array}$$

$$\begin{array}{r} 7182 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} 6324 \\ \times 36 \\ \hline \end{array}$$

$$\begin{array}{r} 4522 \\ \times 63 \\ \hline \end{array}$$

3.

$$\begin{array}{r} 886 \\ \times 374 \\ \hline \end{array}$$

$$\begin{array}{r} 763 \\ \times 618 \\ \hline \end{array}$$

$$\begin{array}{r} 654 \\ \times 523 \\ \hline \end{array}$$

$$\begin{array}{r} 985 \\ \times 447 \\ \hline \end{array}$$

4.

$$\begin{array}{r} 2186 \\ \times 342 \\ \hline \end{array}$$

$$\begin{array}{r} 1898 \\ \times 475 \\ \hline \end{array}$$

$$\begin{array}{r} 3688 \\ \times 259 \\ \hline \end{array}$$

$$\begin{array}{r} 2864 \\ \times 723 \\ \hline \end{array}$$

Lesson 1.4 Multi-Digit Division

983 is between 840 (28×30) and 1120 (28×40), so the tens digit is 3.

$$\begin{array}{r} 3 \\ 28 \overline{)983} \\ - 840 \\ \hline 143 \end{array} \quad \text{subtract}$$

143 is between 140 (28×5) and 168 (28×6), so the ones digit is 5.

$$\begin{array}{r} 35 \text{ r}3 \\ 28 \overline{)983} \\ - 840 \\ \hline 143 \\ - 140 \\ \hline 3 \end{array} \quad \begin{array}{l} \text{subtract} \\ \text{subtract} \\ \text{remainder} \end{array}$$

Divide.

a

b

c

d

e

1. $18 \overline{)94}$

$27 \overline{)68}$

$22 \overline{)88}$

$19 \overline{)78}$

$25 \overline{)64}$

2. $43 \overline{)88}$

$12 \overline{)84}$

$32 \overline{)865}$

$24 \overline{)768}$

$31 \overline{)913}$

3. $27 \overline{)815}$

$54 \overline{)725}$

$45 \overline{)880}$

$23 \overline{)615}$

$18 \overline{)324}$

Lesson 1.9 Multiplying Decimals

The number of digits to the right of the decimal point in the product is the sum of the number of digits to the right of the decimal point of the factors.

$$\begin{array}{r} 0.4 \\ \times 0.2 \\ \hline 0.08 \end{array}$$

$$\begin{array}{r} 0.28 \\ \times 0.6 \\ \hline 0.168 \end{array}$$

$$\begin{array}{r} 3.2432 \\ \times 0.13 \\ \hline 97296 \\ + 32432 \\ \hline 0.421616 \end{array}$$

If needed, add zeros as place holders.

Multiply.

- | | a | b | c | d | e |
|-----------|---|---|--|--|--|
| 1. | $\begin{array}{r} 0.7 \\ \times 8 \\ \hline \end{array}$ | $\begin{array}{r} 0.08 \\ \times 0.5 \\ \hline \end{array}$ | $\begin{array}{r} 0.325 \\ \times 0.3 \\ \hline \end{array}$ | $\begin{array}{r} 1.68 \\ \times 8 \\ \hline \end{array}$ | $\begin{array}{r} 25 \\ \times 0.7 \\ \hline \end{array}$ |
| 2. | $\begin{array}{r} 0.03 \\ \times 3.06 \\ \hline \end{array}$ | $\begin{array}{r} 0.162 \\ \times 0.3 \\ \hline \end{array}$ | $\begin{array}{r} 8.03 \\ \times 3.5 \\ \hline \end{array}$ | $\begin{array}{r} 0.297 \\ \times 7.1 \\ \hline \end{array}$ | $\begin{array}{r} 76.4 \\ \times 3.6 \\ \hline \end{array}$ |
| 3. | $\begin{array}{r} 53.64 \\ \times 0.37 \\ \hline \end{array}$ | $\begin{array}{r} 328.1 \\ \times 0.63 \\ \hline \end{array}$ | $\begin{array}{r} 9.806 \\ \times 31 \\ \hline \end{array}$ | $\begin{array}{r} 600.3 \\ \times 0.034 \\ \hline \end{array}$ | $\begin{array}{r} 895 \\ \times 0.63 \\ \hline \end{array}$ |
| 4. | $\begin{array}{r} 27.1 \\ \times 3.54 \\ \hline \end{array}$ | $\begin{array}{r} 3.263 \\ \times 18 \\ \hline \end{array}$ | $\begin{array}{r} 1.253 \\ \times 12 \\ \hline \end{array}$ | $\begin{array}{r} 58.9 \\ \times 0.038 \\ \hline \end{array}$ | $\begin{array}{r} 0.82 \\ \times 0.82 \\ \hline \end{array}$ |
| 5. | $\begin{array}{r} 0.283 \\ \times 0.6 \\ \hline \end{array}$ | $\begin{array}{r} 0.178 \\ \times 53 \\ \hline \end{array}$ | $\begin{array}{r} 0.83 \\ \times 0.23 \\ \hline \end{array}$ | $\begin{array}{r} 3.6 \\ \times 0.025 \\ \hline \end{array}$ | $\begin{array}{r} 48.2 \\ \times 0.26 \\ \hline \end{array}$ |

Lesson 1.10 Dividing by Two Digits

Multiply the divisor and dividend by 10, by 100, or by 1,000 so the divisor is a whole number.

$$\begin{array}{r} 3.5 \overline{)14.0} \\ \underline{10.5} \\ 3.5 \\ \underline{3.5} \\ 0 \end{array} = \begin{array}{r} 4 \\ 35 \overline{)140} \\ \underline{140} \\ 0 \end{array}$$

Multiply by 10.

$$\begin{array}{r} 0.42 \overline{)16.80} \\ \underline{16.80} \\ 0 \end{array} = \begin{array}{r} 40 \\ 42 \overline{)1680} \\ \underline{1680} \\ 0 \end{array}$$

Multiply by 100.

$$\begin{array}{r} 0.27 \overline{)8100} \\ \underline{5400} \\ 2700 \\ \underline{2700} \\ 0 \end{array} = \begin{array}{r} 300 \\ 27 \overline{)8100} \\ \underline{8100} \\ 0 \end{array}$$

Multiply by 1,000.

Divide.

- | | a | b | c | d |
|----|------------------------|--------------------------|---------------------------|----------------------------|
| 1. | $2.3 \overline{)5.06}$ | $3.4 \overline{)289}$ | $5.2 \overline{)2.08}$ | $7.2 \overline{)10.8}$ |
| 2. | $0.45 \overline{)18}$ | $0.22 \overline{)1.166}$ | $0.63 \overline{)25.2}$ | $0.98 \overline{)63.7}$ |
| 3. | $0.032 \overline{)96}$ | $0.015 \overline{)0.45}$ | $0.068 \overline{)0.017}$ | $0.012 \overline{)0.0144}$ |
| 4. | $2.4 \overline{)0.96}$ | $0.62 \overline{)24.8}$ | $0.016 \overline{)0.08}$ | $0.85 \overline{)5.1}$ |

Lesson 5.1 Using Exponents

Write each power as the product of factors.

a**b****c**

1. 3^5 _____

9^3 _____

2^7 _____

2. 10^2 _____

3^4 _____

2^8 _____

3. 7^3 _____

4^2 _____

7^2 _____

4. 9^3 _____

8^1 _____

12^2 _____

5. 5^4 _____

11^3 _____

6^5 _____

6. 4^4 _____

10^3 _____

8^6 _____

Use exponents to rewrite each expression.

7. $3 \times 3 \times 3 =$ _____

$5 \times 5 \times 5 \times 5 \times 5 =$ _____

$2 \times 2 \times 2 \times 2 \times 2 \times 2 =$ _____

8. $9 \times 9 \times 9 =$ _____

$4 \times 4 \times 4 \times 4 \times 4 \times 4 \times 4 =$ _____

$21 \times 21 =$ _____

9. $10 \times 10 \times 10 \times 10 =$ _____

$8 \times 8 \times 8 \times 8 \times 8 =$ _____

$7 \times 7 \times 7 \times 7 =$ _____

Evaluate each expression.

10. 8^5 _____

2^8 _____

3^4 _____

11. 6^2 _____

9^1 _____

10^4 _____

12. 4^4 _____

7^4 _____

12^2 _____



Lesson 1.7 Greatest Common Factor

Find the greatest common factor for each set of numbers.

- | | a | | b |
|-------------------|----------|----------------|----------|
| 1. 7 and 3 | _____ | 15 and 18 | _____ |
| 2. 14 and 42 | _____ | 27 and 18 | _____ |
| 3. 36 and 24 | _____ | 45 and 20 | _____ |
| 4. 72 and 54 | _____ | 42 and 49 | _____ |
| 5. 86 and 94 | _____ | 66 and 11 | _____ |
| 6. 52 and 26 | _____ | 12 and 40 | _____ |
| 7. 9, 12, and 21 | _____ | 16, 32, and 64 | _____ |
| 8. 15, 25, and 40 | _____ | 27, 36, and 72 | _____ |

Lesson 1.8 Least Common Multiple

Find the least common multiple for each set of numbers.

- | | a | | b |
|------------------|----------|----------------|----------|
| 1. 10 and 13 | _____ | 23 and 35 | _____ |
| 2. 45 and 59 | _____ | 41 and 55 | _____ |
| 3. 68 and 71 | _____ | 63 and 76 | _____ |
| 4. 28 and 35 | _____ | 40 and 50 | _____ |
| 5. 33 and 44 | _____ | 27 and 45 | _____ |
| 6. 6, 76, and 18 | _____ | 4, 24, and 21 | _____ |
| 7. 5, 25, and 65 | _____ | 7, 99, and 49 | _____ |
| 8. 3, 27, and 45 | _____ | 8, 72, and 216 | _____ |



Check What You Know

Multiplying and Dividing Fractions

Multiply or divide. Write answers in simplest form.

a

1. $\frac{7}{8} \times \frac{3}{4}$

b

$9 \times \frac{3}{8}$

c

$\frac{5}{8} \times 5$

2. $3\frac{1}{8} \times 4$

$8 \times 2\frac{3}{5}$

$4\frac{1}{2} \times 9$

3. $5\frac{3}{4} \times 2\frac{1}{3}$

$2\frac{1}{4} \times 3\frac{1}{5}$

$3\frac{2}{3} \times 1\frac{1}{8}$

4. $8 \div \frac{2}{3}$

$\frac{4}{5} \div 3$

$10 \div \frac{3}{8}$

5. $\frac{4}{5} \div \frac{7}{8}$

$\frac{2}{3} \div \frac{5}{6}$

$\frac{3}{8} \div \frac{7}{8}$

6. $2\frac{3}{4} \div 3\frac{1}{8}$

$7 \div 3\frac{1}{4}$

$7\frac{3}{8} \div 9$

Lesson 2.1 Multiplying Fractions and Mixed Numbers

Multiply fractions.

$$\frac{3}{8} \times \frac{2}{3} = \frac{3 \times 2}{8 \times 3}$$

Multiply numerators together.
Multiply denominators together.

$$= \frac{6}{24} = \frac{1}{4} \text{ Simplify.}$$

Multiply mixed numbers.

$$2\frac{3}{4} \times 3\frac{1}{3} = \frac{11}{4} \times \frac{10}{3}$$

Rename each mixed number as an improper fraction.

$$\frac{11}{4} \times \frac{10}{3} = \frac{110}{12} = \frac{55}{6} \\ = 9\frac{1}{6}$$

Multiply.
Simplify.

Multiply. Write answers in simplest form.

a

b

c

d

1. $\frac{2}{5} \times \frac{2}{3} =$

$\frac{3}{4} \times \frac{5}{6} =$

$\frac{7}{8} \times \frac{5}{7} =$

$\frac{2}{5} \times \frac{3}{4} =$

2. $\frac{7}{12} \times \frac{3}{4} =$

$\frac{2}{3} \times \frac{8}{9} =$

$\frac{4}{5} \times \frac{3}{8} =$

$\frac{3}{7} \times \frac{3}{5} =$

3. $\frac{1}{6} \times \frac{2}{3} =$

$\frac{11}{12} \times \frac{2}{3} =$

$\frac{2}{5} \times \frac{2}{5} =$

$\frac{3}{4} \times \frac{3}{7} =$

4. $1\frac{1}{3} \times 2\frac{1}{8} =$

$2\frac{1}{2} \times 1\frac{3}{4} =$

$2\frac{5}{8} \times 2\frac{3}{5} =$

$1\frac{1}{2} \times 2\frac{2}{3} =$

5. $3\frac{1}{5} \times 5\frac{2}{3} =$

$4\frac{1}{2} \times 4\frac{1}{2} =$

$2\frac{1}{3} \times 3\frac{1}{4} =$

$2\frac{4}{5} \times 3\frac{1}{8} =$

6. $2\frac{2}{3} \times 5\frac{1}{4} =$

$2\frac{1}{3} \times 2\frac{1}{3} =$

$3\frac{1}{4} \times 1\frac{1}{8} =$

$2\frac{7}{8} \times 1\frac{1}{3} =$

Lesson 2.3 Dividing Fractions

Divide. Write answers in simplest form.

a

1. $\frac{3}{5} \div \frac{2}{7} =$

b

$\frac{3}{4} \div \frac{1}{2} =$

c

$\frac{5}{8} \div \frac{3}{5} =$

d

$\frac{5}{6} \div \frac{1}{10} =$

2. $\frac{1}{5} \div \frac{1}{4} =$

$\frac{1}{2} \div \frac{2}{3} =$

$\frac{6}{7} \div \frac{1}{8} =$

$\frac{1}{4} \div \frac{1}{2} =$

3. $\frac{7}{10} \div \frac{1}{4} =$

$\frac{1}{2} \div \frac{6}{11} =$

$\frac{3}{5} \div \frac{1}{3} =$

$\frac{1}{4} \div \frac{3}{8} =$

4. $\frac{10}{12} \div \frac{2}{7} =$

$\frac{1}{15} \div \frac{4}{5} =$

$\frac{12}{15} \div \frac{1}{4} =$

$\frac{4}{5} \div \frac{9}{10} =$

5. $\frac{9}{10} \div \frac{2}{6} =$

$\frac{7}{15} \div \frac{8}{10} =$

$\frac{2}{12} \div \frac{3}{4} =$

$\frac{7}{15} \div \frac{7}{9} =$

Lesson 2.4 Dividing Mixed Numbers

$$3\frac{2}{5} \div 4$$

Rename $3\frac{2}{5}$ as $\frac{17}{5}$.

$$4\frac{1}{3} \div 2\frac{3}{4}$$

$$\frac{17}{5} \div \frac{4}{1}$$

Rename 4 as $\frac{4}{1}$.

$$\frac{13}{3} \div \frac{11}{4}$$

Rename.

$$\frac{17}{5} \times \frac{1}{4} = \frac{17}{20}$$

Multiply by the reciprocal.

$$\frac{13}{3} \times \frac{4}{11} = \frac{52}{33} = 1\frac{19}{33}$$

Multiply by the reciprocal.

Divide. Write answers in simplest form.

a

b

c

d

1. $2\frac{1}{2} \div 3\frac{1}{3}$

$1\frac{1}{8} \div 2\frac{1}{4}$

$8 \div 3\frac{1}{2}$

$2\frac{1}{3} \div 5$

2. $4\frac{1}{2} \div 1\frac{1}{6}$

$4\frac{5}{8} \div 2\frac{2}{5}$

$4\frac{1}{3} \div 6$

$1\frac{1}{2} \div 3\frac{1}{8}$

3. $6 \div 2\frac{1}{2}$

$1\frac{1}{2} \div 3$

$5 \div 3\frac{3}{4}$

$2\frac{1}{8} \div 3$

4. $3\frac{3}{5} \div 4$

$3\frac{1}{3} \div 2\frac{3}{8}$

$1 \div 4\frac{1}{3}$

$9 \div 1\frac{2}{3}$

Lesson 3.2 Solving Ratios

A proportion can be used in problem solving.

The ratio of apples to oranges is 4 to 5. There are 20 oranges in the basket. How many apples are there?

$$\frac{4}{5} = \frac{n}{20} \quad \text{Set up a proportion, using } n \text{ for the missing number.}$$

$$4 \times 20 = 5 \times n \quad \text{Cross-multiply.}$$

$$\frac{80}{5} = n \quad \text{Solve for } n.$$

$$16 = n \quad \text{There are 16 apples.}$$

Solve.

a

b

c

$$1. \quad \frac{1}{3} = \frac{n}{24} \quad \frac{4}{9} = \frac{n}{36} \quad \frac{5}{45} = \frac{n}{9}$$

$$2. \quad \frac{3}{5} = \frac{n}{15} \quad \frac{10}{70} = \frac{n}{7} \quad \frac{25}{40} = \frac{n}{16}$$

$$3. \quad \frac{7}{12} = \frac{n}{36} \quad \frac{13}{26} = \frac{n}{4} \quad \frac{7}{1} = \frac{n}{3}$$

$$4. \quad \frac{8}{5} = \frac{n}{40} \quad \frac{2}{6} = \frac{n}{33} \quad \frac{5}{13} = \frac{n}{39}$$

$$5. \quad \frac{5}{6} = \frac{n}{18} \quad \frac{9}{8} = \frac{n}{32} \quad \frac{2}{3} = \frac{n}{15}$$

Lesson 5.3 Writing Expressions

Translate each phrase into an algebraic expression or an equation.

1. subtract 8 from 3 times d _____

2. g minus 2 is 14 _____

3. the sum of 7 and z _____

4. two-fifths of the sum of 6 and s _____

5. 10 minus x _____

6. 3 is subtracted from 5 times a _____

7. s is added to 9 _____

8. take away 9 from h _____

take away 3 from x _____

z is added to 8 _____

2 is subtracted from 4 times d _____

9 minus c _____

subtract 9 from the product of 4 and f _____

y minus 3 is 15 _____

the sum of 8 and t _____

one-third of the sum of 7 and k _____

Write each expression in words.

9. $9 \div x$ _____

10. $3 \times g = 27$ _____

11. $6 \times m - 4$ _____

12. $\frac{1}{2} \times b + 9 = 11$ _____

13. $14 \div p$ _____

14. $6 \times b = 42$ _____

15. $9 \times d - 10$ _____

16. $\frac{1}{4} \times t + 8 = 16$ _____

Lesson 4.4 Comparing and Ordering Integers

Compare the integers using $<$, $>$, or $=$.

- | a | b | c |
|----------------------|-------------------|-------------------|
| 1. $66 \square 3$ | $43 \square 83$ | $-24 \square 82$ |
| 2. $99 \square -84$ | $-33 \square -90$ | $-37 \square -37$ |
| 3. $28 \square 7$ | $-24 \square 61$ | $-36 \square -88$ |
| 4. $-27 \square -52$ | $-49 \square -69$ | $42 \square 98$ |
| 5. $88 \square -99$ | $47 \square -44$ | $-8 \square -45$ |
| 6. $46 \square -26$ | $13 \square -1$ | $39 \square 51$ |
| 7. $8 \square -18$ | $61 \square -70$ | $-4 \square -1$ |
| 8. $-12 \square -14$ | $-1 \square 0$ | $57 \square -73$ |

Order from least to greatest.

- | a | b |
|-------------------------------|---------------------------|
| 9. $16, -37, 51, 61$ _____ | $-86, 21, 90, -49$ _____ |
| 10. $-84, -67, 10, -65$ _____ | $-62, 11, -97, -78$ _____ |
| 11. $-35, 81, -37, 48$ _____ | $-68, -9, 95, 19$ _____ |
| 12. $-37, 51, 61, 9$ _____ | $21, 90, -49, 15$ _____ |
| 13. $14, -4, 9, -11$ _____ | $74, -23, 27, -75$ _____ |
| 14. $-80, -79, 2, 81$ _____ | $47, 93, -39, -47$ _____ |

All Operations with Integers (A)

Use an integer strategy to find each answer.

$-2 \times -5 =$

$-36 + -46 =$

$-6 + -28 =$

$1794 \div -46 =$

$-3 - -47 =$

$-14 - -6 =$

$-49 \times -43 =$

$12 + 3 =$

$320 \div 40 =$

$13 \times 6 =$

$-328 \div 8 =$

$152 \div -8 =$

$2 + -47 =$

$41 + -32 =$

$1650 \div -50 =$

$-6 \times -47 =$

$-11 - 24 =$

$-3 \times 33 =$

$-14 - -9 =$

$22 - -11 =$

$-40 \times 12 =$

$-110 \div -10 =$

$-3 \times -50 =$

$968 \div 22 =$

$-21 \times 19 =$

$-495 \div 33 =$

$27 - -8 =$

$-280 \div 8 =$

$-30 + 4 =$

$39 \times -37 =$

Order of Operations (A)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(-5)^2 - 2 \times (-9) + 6$$

$$3 \times 10 + 8 - 4^2$$

$$(-9) - (-8) + 2 \times 4^2$$

$$(-3)^3 - 2 + 8 \div (-8)$$

$$8 \div (-4) \times (-6)^2 + 7$$

$$4 \times (-8) + 6 - (-2)^3$$

$$10 \times 5 - (-6)^2 + (-8)$$

$$(-5)^2 \times 3 \div 5 + 9$$

$$(10 \div (-5) - (-2)) \times (-3)^3$$

$$4 \times (-6) \div 8 + 3^3$$

Lesson 5.5 Solving 1-Step Equations: Addition & Subtraction

Solve each equation.

a

1. $9 + d = 16$ _____

2. $18 - b = 4$ _____

3. $n + 8 = 41$ _____

4. $t - 18 = 5$ _____

5. $17 = c + 3$ _____

6. $2 = d - 4$ _____

b

$y + 3 = 9$ _____

23 - $c = 21$ _____

7 + $m = 20$ _____

36 - $a = 36$ _____

29 = 5 + b _____

19 = 25 - a _____

c

12 + $a = 27$ _____

$w - 11 = 11$ _____

9 + $s = 9$ _____

15 - $b = 0$ _____

36 = 35 + n _____

12 = $t - 12$ _____

Write an equation for each problem. Then, solve the equation.

7. Ruben read 37 pages in his history book over the weekend. He read 21 pages on Saturday. How many pages did he read on Sunday?

_____ He read _____ pages on Sunday.

8. The Garcias ate 9 pieces of toast for breakfast. If there are 33 slices of bread left, how many slices were in the loaf of bread?

_____ There were _____ slices in the loaf of bread.

9. In a 25-kilometer triathlon, competitors swim 2 kilometers, run 5 kilometers, and bike the rest. How far do they bike?

_____ They bike _____ kilometers.

Lesson 5.6 Solving 1-Step Equations: Multiplication & Division

Solve each equation.

a	b	c
1. $2 \times d = 18$ _____	$a \times 4 = 20$ _____	$5 \times n = 30$ _____

2. $y \div 3 = 4$ _____	$t \div 9 = 3$ _____	$\frac{a}{5} = 3$ _____
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3. $8 \times s = 64$ _____	$p \times 16 = 16$ _____	$7 \times r = 42$ _____
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4. $\frac{n}{5} = 10$ _____	$n \div 3 = 12$ _____	$a \div 8 = 6$ _____
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5. $25 = 5 \times d$ _____	$0 = a \times 57$ _____	$32 = b \times 2$ _____
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6. $19 = \frac{x}{1}$ _____	$7 = b \div 4$ _____	$9 = \frac{c}{7}$ _____
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Write an equation for each problem. Then, solve the equation.

7. Taryn practiced piano the same amount of time every day for 6 days. If she practiced a total of 12 hours, how many hours did she practice each day?

_____ She practiced _____ hours each day.

8. A group of friends decided to equally share a package of trading cards. If there were 48 cards in the package and each person received 12, how many friends were in the group?

_____ There were _____ friends in the group.

9. Twenty-five cars can take the ferry across the river at one time. If 150 cars took the ferry, and it was full each time, how many times did the ferry cross the river?

_____ The ferry crossed the river _____ times.

Lesson 3.6 Understanding Percents

Write the fraction and decimal for each percent. Write fractions in simplest form.

	Percent	Fraction	Decimal
1.	7%	_____	_____
2.	13%	_____	_____
3.	48%	_____	_____
4.	71%	_____	_____
5.	27%	_____	_____
6.	2%	_____	_____
7.	15%	_____	_____
8.	39%	_____	_____
9.	10%	_____	_____
10.	62%	_____	_____
11.	75%	_____	_____
12.	97%	_____	_____
13.	53%	_____	_____
14.	82%	_____	_____

Lesson 3.7 Finding Percents Using Fractions

$$35\% \text{ of } 60 = 35\% \times 60$$

$$= \frac{35}{100} \times 60$$

$$= \frac{7}{20} \times \frac{60}{1} = \frac{420}{20} = \frac{42}{2}$$

$$= 21$$

$$40\% \text{ of } 32 = 40\% \times 32$$

$$= \frac{40}{100} \times 32$$

$$= \frac{2}{5} \times \frac{32}{1} = \frac{64}{5}$$

$$= 12\frac{4}{5}$$

Complete the following. Write each answer in simplest form.

a

1. 8% of 65 = _____

2. 30% of 32 = _____

3. 150% of 12 = _____

4. 28% of 7 = _____

5. 40% of 20 = _____

6. 80% of 80 = _____

7. 45% of 70 = _____

8. 4% of 92 = _____

9. 90% of 60 = _____

10. 12% of 40 = _____

11. 60% of 60 = _____

12. 21% of 50 = _____

b

95% of 80 = _____

25% of 28 = _____

25% of 30 = _____

10% of 38 = _____

15% of 45 = _____

20% of 75 = _____

18% of 45 = _____

16% of 90 = _____

25% of 86 = _____

9% of 60 = _____

95% of 20 = _____

3% of 25 = _____

Lesson 3.8 Finding Percents Using Decimals

26% of 73.2

$$\begin{array}{r}
 73.2 \\
 \times 0.26 \\
 \hline
 4392 \\
 + 1464 \\
 \hline
 19.032
 \end{array}$$

$$26\% = 26 \times 0.01 = 0.26$$

$$26\% \text{ of } 73.2 = 19.032$$

Complete the following.

a

1. 32% of 64 = _____

2. 2.5% of 89 = _____

3. 58% of 12 = _____

4. 73% of 8.4 = _____

5. 0.8% of 256 = _____

6. 120% of 35 = _____

7. 84% of 7 = _____

8. 20% of 45 = _____

9. 9.2% of 63 = _____

10. 7% of 112 = _____

11. 16% of 16 = _____

12. 1.8% of 240 = _____

b

26% of 40 = _____

1.2% of 385 = _____

250% of 8 = _____

49% of 86 = _____

11% of 29 = _____

7.5% of 60 = _____

40% of 95 = _____

22% of 142 = _____

80% of 80 = _____

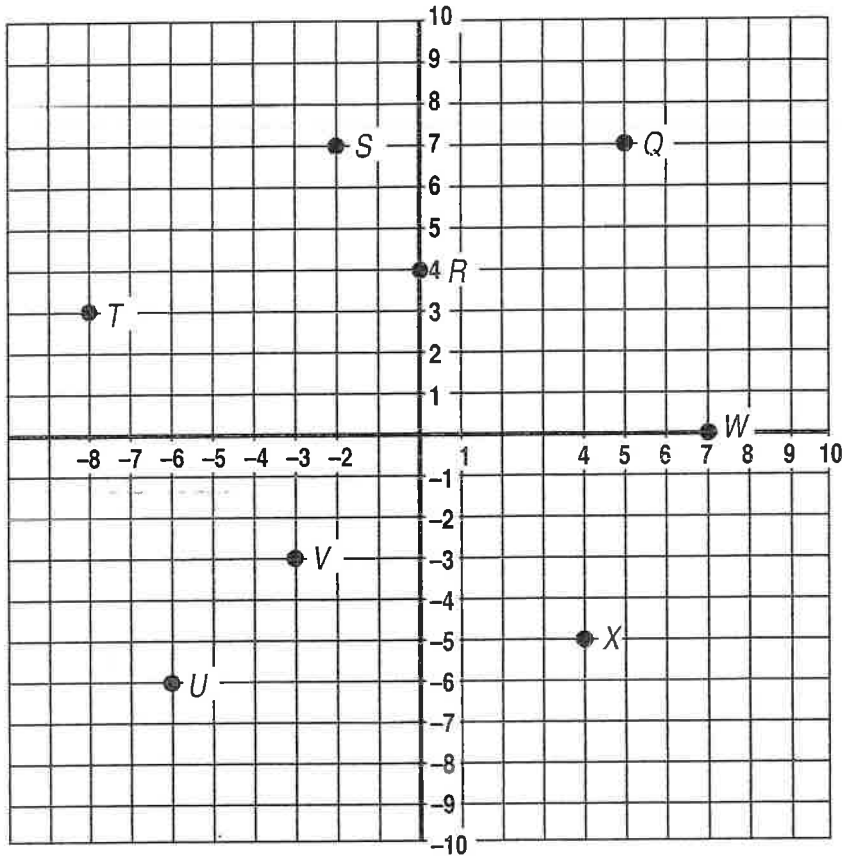
62% of 45 = _____

12% of 200 = _____

18% of 15 = _____

Lesson 4.5 Using Integers in the Coordinate Plane

Use the coordinate grid to answer the questions.



Write the ordered pair for each coordinate.

1. R _____

2. T _____

3. U _____

4. W _____

5. V _____

6. Q _____

7. S _____

8. X _____

Name the point located at each ordered pair.

9. $(-2, 7)$ _____

10. $(5, 7)$ _____

11. $(-3, -3)$ _____

12. $(4, -5)$ _____

13. $(0, 4)$ _____

14. $(7, 0)$ _____

15. $(-8, 3)$ _____

16. $(-6, -6)$ _____