

Rising 5th grade Summer Math Packet Answer Key

Add.

1. $37 + 7 = 44$

2. $9 + 8 = 17$

3. $86 + 25 = 111$

4. $497 + 0 = 497$

5. $239 + 509 = 748$

6. $(40 + 5) + 8 = 53$

Subtract, check your answer by adding:

7. $169 - 48 = 121$

8. $400 - 227 = 173$

9. $500 - 89 = 411$

10. $906 - 289 = 617$

11. $1700 - 315 = 1,385$

Compare. Write $>$, $<$, or $=$.

12. $221,495$ $210,388$ ($>$)

13. $52,744$ $56,704$ ($<$)

14. $138,752$ $133,122$ ($>$)

15. $4,937$ $4,939$ ($<$)

Add.

$$\begin{array}{r} 1. \quad 78 \\ + 421 \\ \hline 499 \end{array}$$

$$\begin{array}{r} 2. \quad 617 \\ + 14,312 \\ \hline 14,929 \end{array}$$

$$\begin{array}{r} 3. \quad 873 \\ + 4,893 \\ \hline 5,766 \end{array}$$

$$\begin{array}{r} 4. \quad 295 \\ + 805 \\ \hline 1,100 \end{array}$$

Subtract.

$$\begin{array}{r} 5. \quad 902 \\ - 883 \\ \hline 19 \end{array}$$

$$\begin{array}{r} 6. \quad 502 \\ - 380 \\ \hline 122 \end{array}$$

$$\begin{array}{r} 7. \quad 3,000 \\ - 673 \\ \hline 2,327 \end{array}$$

$$\begin{array}{r} 8. \quad 5,604 \\ - 1,717 \\ \hline 3,887 \end{array}$$

Use the table to complete these problems.

Shirt	\$12
Shorts	\$19
Shoes	\$42
Socks	\$2
Hat	\$15

9. What equation can you write to help find the cost of the shoes and socks together?

$$\$42 + \$2 = \$44$$

10. What equation can you write to help find the difference between the cost of the shirt and the shorts?

$$\$19 - \$12 = \$7$$

Add.

$$\begin{array}{r} 1. \quad 9,348 \\ \quad 102 \\ \quad 5,802 \\ + \quad 1,933 \\ \hline 17,185 \end{array}$$

$$\begin{array}{r} 2. \quad 130,283 \\ \quad 263,823 \\ + \quad 396,538 \\ \hline 790,644 \end{array}$$

$$3. \quad 9,634 + 2,958 \\ (12,592)$$

$$4. \quad 4,673 + 262 \\ (4,935)$$

$$5. \quad 7,845 + 509 + 3,746 \\ (12,100)$$

Subtract.

$$5. \quad 552 - 228 \\ (324)$$

$$7. \quad 3,711 - 1,683 \\ (2,028)$$

$$8. \quad 217 - 166 \\ (51)$$

$$9. \quad 562 - 199 \\ (363)$$

$$10. \quad 1,111 - 589 \\ (522)$$

$$11. \quad 9,385 - 720 \\ (8,665)$$

Find the term that comes next in the pattern.

$$12. \quad 2, 4, 6, 8, \underline{\quad} (10)$$

$$13. \quad 9, 12, 15, 18, \underline{\quad} (21)$$

$$14. \quad 8, 16, 24, 32, \underline{\quad} (40)$$

$$15. \quad 14, 21, 28, 35, \underline{\quad} (42)$$

$$16. \quad 33, 44, 55, 66, \underline{\quad} (77)$$

$$17. \quad 5, 10, 15, 20, \underline{\quad} (25)$$

Solve.

1. $0.64 - 0.14$
(.5)

2. $0.27 - 0.13$
(.14)

3. $0.89 - 0.72$
(.17)

4. $0.93 - 0.27$
(.66)

5. $0.86 - 0.71$
(.15)

6. $0.38 - 0.19$
(.19)

Find each product:

1. 6
 $\times 3$
—
18

2. 0
 $\times 4$
—
0

3. 6
 $\times 4$
—
24

4. 7
 $\times 3$
—
21

5. 3×5
(15)

6. 4×9
(36)

7. 12×4
(48)

Problem Solving

8. Roger has 3 dimes and 6 pennies. He wrote a multiplication sentence to show the total value. One factor was 12.



a. What was the other factor? (3)

b. What is the product? (36)

Vocabulary:

Choose the best term from the box.

divisor	factor	quotient
multiple	product	division

1. In the number sentence $9 \times 5 = 45$, 45 is the product.
2. The number you divide by is the divisor.
3. The answer in a division problem is the quotient.

Find the quotient.

4. $27 \div 9 = 3$

5. $40 \div 5 = 8$

6. $66 \div 6 = 11$

7. $7 \overline{) 49} = 7$

8. $3 \overline{) 27} = 9$

9. $6 \overline{) 48} = 8$

10. $7 \overline{) 21} = 3$

11. $4 \overline{) 16} = 4$

12. $12 \overline{) 60} = 5$

Round each number to the nearest ten.

1. 16 (20)

2. 82 (80)

3. 35 (40)

4. 52 (50)

5. 24 (20)

6. 472 (470)

Round each number to the nearest hundred.

7. 868 (900)

8. 772 (800)

9. 119 (100)

10. 1,375 (1,400)

11. 9,009 (9,000)

12. 919 (900)

Find each product:

$$\begin{array}{r} 13. \quad 44 \\ \times \quad 3 \\ \hline 132 \end{array}$$

$$\begin{array}{r} 14. \quad 89 \\ \times \quad 10 \\ \hline 890 \end{array}$$

$$\begin{array}{r} 15. \quad 67 \\ \times \quad 7 \\ \hline 469 \end{array}$$

16. 5 x 500
(2,500)

17. 9 x 50
(450)

18. 900 x 4
(3,600)

Find each product:

1.
$$\begin{array}{r} 11 \\ \times 2 \\ \hline 22 \end{array}$$

2.
$$\begin{array}{r} 100 \\ \times 7 \\ \hline 700 \end{array}$$

3.
$$\begin{array}{r} 61 \\ \times 8 \\ \hline 488 \end{array}$$

4.
$$9 \times 476$$

(4,284)

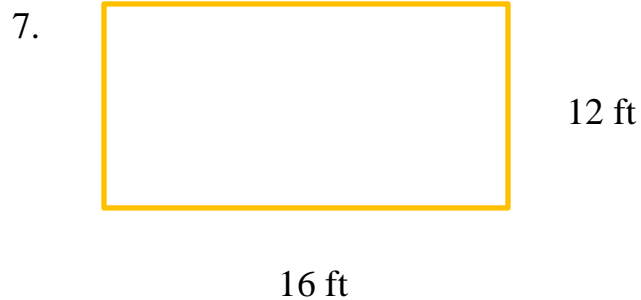
5.
$$34 \times 6$$

(204)

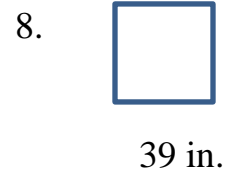
6.
$$303 \times 5$$

(1,515)

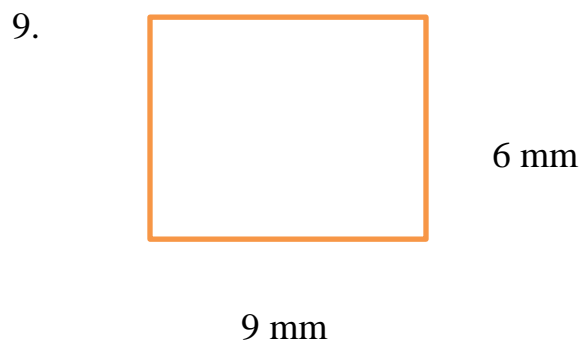
Find the perimeter.



$P = (2 \times l) + (2 \times w)$ $P = 56$ ft.



$P = S \times 4$
 $P = 156$ in.



$P = (2 \times l) + (2 \times w)$

$P = 30$ mm

Compare. Write >, <, or =.

1. 5×71 5×70

(>)

2. 8×30 8×35

(<)

3. 6×37 37×6

(=)

4. 10×10 9×8

(>)

5. 6×18 7×20

(<)

6. 80 4×19

(>)

Find each product.

7.
$$\begin{array}{r} 423 \\ \times \quad 2 \\ \hline 846 \end{array}$$

8.
$$\begin{array}{r} 506 \\ \times \quad 4 \\ \hline 2,024 \end{array}$$

9.
$$\begin{array}{r} 159 \\ \times \quad 5 \\ \hline 795 \end{array}$$

10.
$$\begin{array}{r} 114 \\ \times \quad 7 \\ \hline 798 \end{array}$$

11.
$$\begin{array}{r} 281 \\ \times \quad 9 \\ \hline 2,529 \end{array}$$

12.
$$\begin{array}{r} 624 \\ \times \quad 7 \\ \hline 4,368 \end{array}$$

Problem Solving

13. What is the distance around a rectangular playground with length 45 ft. and width 30 ft.?

$$P = (2 \times l) + (2 \times w)$$

$$P = 150 \text{ ft.}$$

For each set of numbers, find the missing number.

1. 2, ____, 4, 5, 6
(3)

2. ____, 10, 15, 20
(5)

3. 3, 6, 9, ____
(12)

4. 50, 39, ____, 17
(28)

5. 17, ____, 35, 44
(26)

Problem Solving

6. The year 2020 will be the fifth leap year after the year 2000. Name the years between 2000 and 2020 that are leap years. *Hint: A leap year occurs every 4 years.*
2016, 2014, 2012, 2008, 2004

7. A Ferris wheel has 12 cars. The operator needs to keep 2, 4, or 6 cars empty. Make a table to show how many people can ride if each car holds 4 people.

Number of People That Can Ride on the Ferris Wheel

Cars	People
12	48
10 (2 cars empty)	40
8 (4 cars empty)	32
6 (6 cars empty)	24

Find the quotient.

1. $200 \div 5 = 40$

2. $900 \div 3 = 300$

3. $160 \div 4 = 40$

4. $180 \div 9 = 20$

5. $630 \div 3 = 210$

6. $350 \div 7 = 50$

7. $7 \overline{) 41} = 5 \text{ R}6$

8. $3 \overline{) 29} = 9 \text{ R}2$

9. $6 \overline{) 28} = 4 \text{ R}4$

10. $9 \overline{) 86} = 9 \text{ R}5$

11. $4 \overline{) 22} = 5 \text{ R}2$

12. $8 \overline{) 75} = 9 \text{ R}3$

Multiply or divide to find equivalent fractions.

13. $\frac{10}{10} = \frac{1}{1} (1)$

14. $\frac{3}{4} = \frac{12}{16} (16)$

15. $\frac{10}{20} = \frac{1}{2} (2)$

16. $\frac{30}{40} = \frac{3}{4} (8)$

17. $\frac{4}{9} = \frac{20}{45} (45)$

18. $\frac{9}{15} = \frac{3}{5} (27)$

Find each sum or difference.

1.
$$\begin{array}{r} 4572 \\ + 2,391 \\ \hline 6,963 \end{array}$$

2.
$$\begin{array}{r} 4,087 \\ - 496 \\ \hline 3,591 \end{array}$$

3.
$$\begin{array}{r} 8,354 \\ - 2,568 \\ \hline 5,786 \end{array}$$

4.
$$\begin{array}{r} 247 \\ + 312 \\ \hline 559 \end{array}$$

5.
$$\begin{array}{r} 3,468 \\ + 947 \\ \hline 4,415 \end{array}$$

6.
$$\begin{array}{r} 6,000 \\ - 1,473 \\ \hline 4,527 \end{array}$$

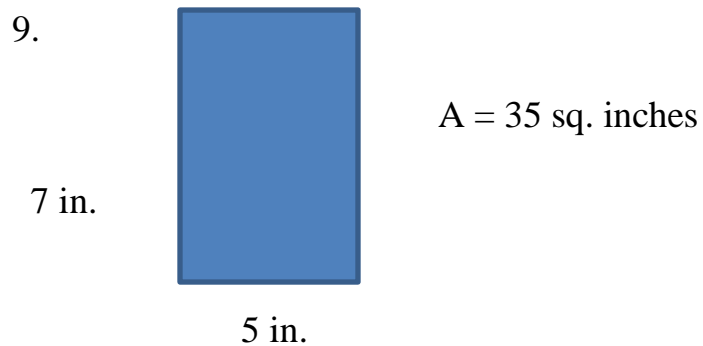
Find each area.



$A = L \times W$
 $A = 81 \text{ sq. cm}$



13 mm
 $A = 117 \text{ sq. mm}$



Divide

1. $720 \div 8$
(90)

2. $550 \div 5$
(110)

3. $630 \div 9$
(70)

4. $480 \div 6$
(80)

5. $210 \div 7$
(30)

6. $320 \div 8$
(40)

Multiply

7. 31
 $\times 13$
(403)

8. 27
 $\times 16$
(432)

9. 59
 $\times 41$
(2,419)

10. 28
 $\times 29$
(812)

11. 24
 $\times 36$
(864)

12. 76
 $\times 54$
(4,104)

Problem Solving

13. The Hollywood Bowl can seat almost 18,000 people. Section G2 has 22 rows of benches that can seat 18 people. How many seats are in this section?

$$22 \times 18 = 396 \text{ people}$$

14. The flagpole in front of the school is 35 ft. tall. How many inches tall is the flagpole? $35 \times 12 = 420$ inches

Find each quotient

1. $3\overline{)46} = 15 \text{ R}1$ 2. $7\overline{)65} = 9\text{R}2$ 3. $8\overline{)27} = 3\text{R}3$

4. $4\overline{)66} = 16\text{R}2$ 5. $3\overline{)63} = 21$ 6. $5\overline{)95} = 19$

7. $5\overline{)595} = 119$ 8. $2\overline{)866} = 433$ 9. $4\overline{)952} = 238$

Write each fraction in simplest form. If it is in simplest form, write simplest form.

10. $\frac{3}{12}$
(1/4)

11. $\frac{4}{8}$
(1/2)

12. $\frac{12}{16}$
(3/4)

13. $\frac{8}{10}$
(4/5)

14. $\frac{30}{35}$
(6/7)

15. $\frac{4}{12}$
(1/3)

Use a formula to find each area.

1.



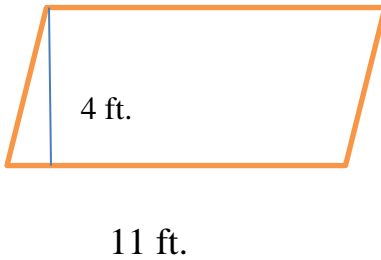
Use $A = s \times s$.
 $A = 10 \times 10$
 $A = 100 \text{ sq. ft.}$

2.



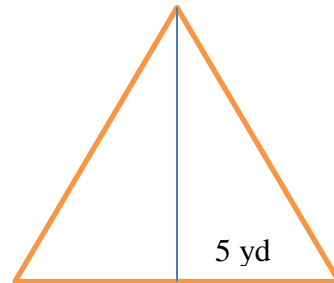
Use $A = l \times w$
 $A = 6 \times 4$
 $A = 24 \text{ sq. in.}$

3.



Use $A = b \times h$
 $A = 11 \times 4$
 $A = 44 \text{ sq. ft.}$

4.



Use $A = \frac{1}{2} \times b \times h$
 $A = \frac{4 \times 5}{2}$
 $A = 10 \text{ sq. yd.}$

Compare. Write $>$, $<$, or $=$.

5. 0.01 0.1
($<$)

6. 7.31 7.29
($>$)

Compare. Write $>$, $<$, or $=$.

1. 3.22 4.44
($<$)

2. 9.01 9.1
($<$)

3. 2.01 1.7
($>$)

4. 6.56 5.98
($>$)

Order the numbers from least to greatest.

5. 1.2, 1.23, 1.1
(1.1, 1.2, 1.23)

6. 0.56, 4.56, 0.65
(0.56, 0.65, 4.56)

7. 0.71, 0.07, 1.7
(0.07, 0.71, 1.7)

8. 0.5, 0.25, 0.22
(0.22, 0.25, 0.5)

Round each decimal to the nearest tenth.

9. 3.78
(3.8)

10. 9.04
(9.0)

11. 23.97
(24.0)

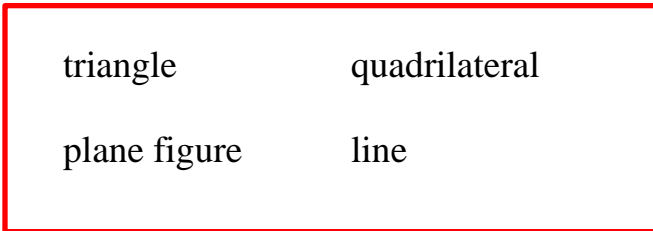
12. 6.44
(6.4)

13. 0.32
(0.3)

14. 2.48
(2.5)

Vocabulary:

Choose the best term from the box.



1. A polygon with four sides is a quadrilateral.
2. A polygon with three sides is a triangle.
3. A line is a straight path of points that goes on forever in two directions.
4. A figure with only two dimensions is a plane figure.

Find equivalent fractions. Then order the fractions from least to greatest.

5. $\frac{1}{4}, \frac{1}{6}, \frac{1}{2}$
($\frac{1}{6}, \frac{1}{4}, \frac{1}{2}$)

6. $\frac{2}{4}, \frac{2}{6}, \frac{2}{12}$
($\frac{2}{12}, \frac{2}{6}, \frac{2}{4}$)

8. $\frac{3}{4}, \frac{5}{6}, \frac{8}{12}$
($\frac{8}{12}, \frac{3}{4}, \frac{5}{6}$)

9. $\frac{6}{8}, \frac{1}{2}, \frac{3}{8}$
($\frac{3}{8}, \frac{1}{2}, \frac{6}{8}$)

Problem Solving

1. Geena had 6 pairs of earrings. Kiera has 3 times as many. How many pairs of earrings did Kiera have? $(6 \times 3 = 18)$

2. Each student in 4th grade had the same book to read. Charles read $\frac{2}{3}$ of the book, and Drew read $\frac{3}{5}$ of the book. Who read more?

$$\frac{2}{3} = \frac{10}{15} \quad \frac{3}{5} = \frac{9}{15} \text{ So Charles read more}$$

Add or subtract the fractions. Write the answer in simplest form.

3. $\frac{1}{9} + \frac{3}{9} = (4/9)$

4. $\frac{2}{5} + \frac{1}{5} = (3/5)$

5. $\frac{11}{12}$

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

- $\frac{2}{12}$

- $\frac{3}{8}$

$(\frac{9}{12} = \frac{3}{4})$

$(\frac{2}{8} = \frac{1}{4})$

5. $\frac{7}{10}$

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

+ $\frac{3}{10}$

- $\frac{3}{10}$

$(\frac{10}{10} = 1)$

$(\frac{5}{10} = \frac{1}{2})$

Add the fractions. Write the answer in simplest form.

1. $\frac{3}{4} + \frac{1}{8} = (7/8)$

2. $\frac{7}{10} + \frac{1}{5} = (9/10)$

3. $\frac{7}{12} + \frac{1}{3} = (11/12)$

4. $\frac{1}{4} + \frac{1}{6} = (5/12)$

Subtract the fractions. Write the answer in simplest form.

5. $\frac{3}{4} - \frac{3}{8} = (3/8)$

6. $\frac{5}{10} - \frac{1}{5} = 3/10$

7. $\frac{1}{4} - \frac{1}{6} = (1/12)$

8. $\frac{7}{12} - \frac{1}{3} = 3/12 = 1/4$

Add or Subtract. Write each answer in simplest form.

9. $3\frac{7}{8} - 2\frac{3}{8} = 1\frac{1}{2}$

10. $2\frac{3}{5} + 2\frac{1}{5} = 4\frac{4}{5}$

11. $6\frac{3}{4} - 1\frac{3}{4} = 5$

12. $7\frac{1}{3} + 4\frac{2}{3} = 12$

Write an equivalent decimal, fraction, or mixed number in simplest form.

1. $9 \frac{4}{10} = 94/10$

2. $\frac{21}{100} = 0.21$

3. $11.6 = 11 \frac{3}{5}$

4. $1 \frac{81}{100} = 1.81$

5. $0.65 = 13/20$

6. $\frac{50}{100} = .50$ or $1/2$

7. $0.48 = 12/25$

8. $4 \frac{7}{10} = 4.7$

9. $1.45 = 1 \frac{9}{20}$

Write whether each statement is true or false. Explain your answer.

10. The quotient of $398 \div 4$ is closer to 100 than 90.
(True, 398 is almost 400)

11. The product of 9 and 32 is greater than the product of 3 and 92.
(True, 9×2 is greater than 3×2)

12. The quotient of $154 \div 5$ is less than 30.
(False, $150 \div 5 = 30$)

13. The quotient of $1,500 \div 30$ is 30.
(False, $15 \div 3 = 5$ so 50 is the answer)

14. The difference of $4,321 - 2,028$ is less than 1,000.
(False, $4,000 - 2,000$ is by itself 2,000)

Add or subtract.

$$\begin{array}{r} 1. \quad 2.73 \\ + \quad 0.44 \\ \hline 3.17 \end{array}$$

$$\begin{array}{r} 2. \quad 46.81 \\ - \quad 12.43 \\ \hline 34.38 \end{array}$$

$$\begin{array}{r} 3. \quad 35.78 \\ + \quad 70.71 \\ \hline 106.49 \end{array}$$

$$\begin{array}{r} 4. \quad 17.15 \\ - \quad 2.38 \\ \hline 14.77 \end{array}$$

$$\begin{array}{r} 5. \quad 4.83 \\ - \quad 0.56 \\ \hline 4.27 \end{array}$$

$$\begin{array}{r} 6. \quad 12.55 \\ + \quad 53.59 \\ \hline 66.14 \end{array}$$

$$\begin{array}{r} 7. \quad 70.1 - 65.81 \\ \quad \quad (4.29) \end{array}$$

$$\begin{array}{r} 8. \quad 55.7 + 0.52 \\ \quad \quad (56.22) \end{array}$$

$$\begin{array}{r} 9. \quad 89.82 - 46.3 \\ \quad \quad (43.52) \end{array}$$

Find each product.

$$\begin{array}{r} 10. \quad 3.63 \\ \times \quad 4 \\ \hline (14.52) \end{array}$$

$$\begin{array}{r} 11. \quad 27.4 \\ \times \quad 7 \\ \hline (191.8) \end{array}$$

$$\begin{array}{r} 12. \quad 58.8 \\ \times \quad 65 \\ \hline (3822.0) \end{array}$$

$$\begin{array}{r} 13. \quad 9.4 \\ \times \quad 34 \\ \hline (319.6) \end{array}$$

$$\begin{array}{r} 14. \quad 7.62 \\ \times \quad 44 \\ \hline (335.28) \end{array}$$

$$\begin{array}{r} 15. \quad 5.39 \\ \times \quad 93 \\ \hline (501.27) \end{array}$$