Name: _____

RISING 6th Grade Summer Work Packet

- Must show ALL necessary work for full credit! (Use a separate sheet if you prefer)
- Do your BEST without a calculator ☺
- Worth a QUIZ grade for the 1st quarter
- Due Thursday August 30!!

In which number does the digit 7 have the greatest value?

Ⓐ 1,784 Ⓑ 4,817 Ⓒ 7,148 Ⓓ 8,714

What is the missing number?

$\square - 45 = 517 + 5$

Ⓐ 477 Ⓑ 522 Ⓒ 567 Ⓓ 572

What number is 3,578 rounded to the nearest hundred?

Ⓐ 3,500 Ⓑ 3,570 Ⓒ 3,580 Ⓓ 3,600

Add 4,386 and 1,403.

Ⓐ 2,893 Ⓑ 2,983 Ⓒ 5,789 Ⓓ 5,879

What do you get when you subtract 15 tens from 25 hundreds?

Ⓐ 10 Ⓑ 100 Ⓒ 2,350 Ⓓ 2,650

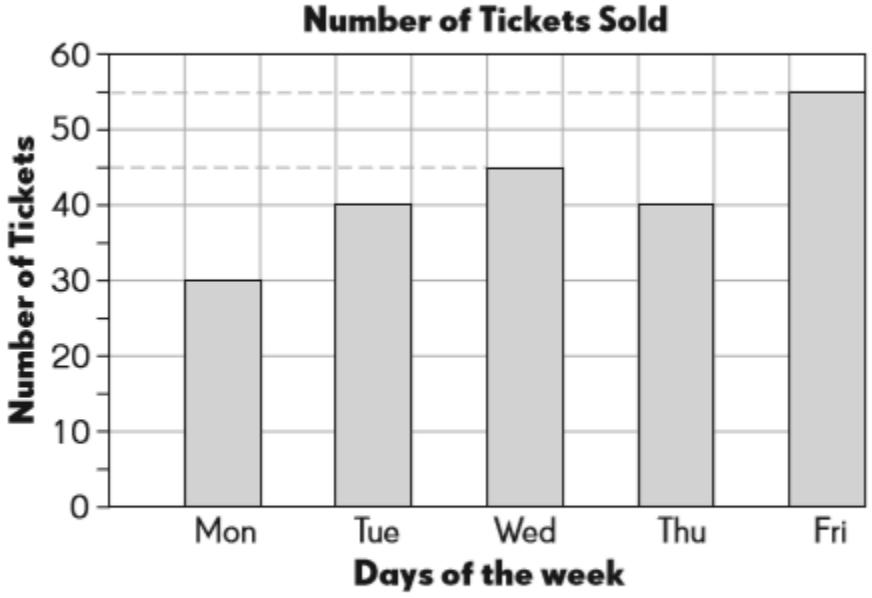
What do you get when you divide 123 by 5?

Ⓐ 24 R 0 Ⓑ 24 R 3 Ⓒ 25 R 2 Ⓓ 25 R 3

A string is 380 centimeters long.
A ribbon is 114 centimeters shorter than the string.
How long is the ribbon?

Ⓐ 114 cm Ⓑ 194 cm Ⓒ 266 cm Ⓓ 494 cm

The bar graph shows the number of tickets sold for a magic show from Monday through Friday.



How many tickets were sold from Wednesday through Friday?

Ⓐ 100 Ⓑ 115 Ⓒ 140 Ⓓ 210

What is the time shown on the clock?

Ⓐ 25 minutes to 11
Ⓑ 35 minutes to 10
Ⓒ 5 minutes past 10
Ⓓ 25 minutes past 10

Add.
3 h 15 min + 2 h 55 min = ☐

Ⓐ 5 h 70 min Ⓑ 6 h Ⓒ 6 h 10 min Ⓓ 6 h 15 min

How many sides does a hexagon have?

Ⓐ 4 Ⓑ 5 Ⓒ 6 Ⓓ 8

Find the perimeter of a rectangle with a length of 8 feet and width of 6 feet.

Ⓐ 14 ft Ⓑ 20 ft Ⓒ 22 ft Ⓓ 28 ft

Complete the number pattern.

3,530 _____ 3,500 3,485 3,470

What is the least even number that can be made with the digits 4, 7, 1, and 2? Use each digit only once.

What is the missing number?

$378 + 58 = \square + 6$

Mary has $895.
She wants to buy a computer but she needs $620 more.
How much does the computer cost?

Chantel ordered 720 sandwiches for a school party.
After the party, 86 sandwiches were left.
How many sandwiches did the students eat?

Find the difference between 5,060 and 1,084.

What is the missing number?

$42 \div 7 = 48 \div \square$

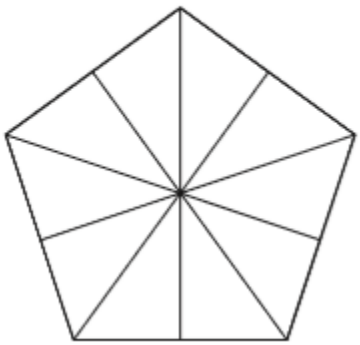
There are 6 teams in a tennis tournament.
Every team has 2 players.
Each player has 3 tennis rackets.
How many rackets are there in all?

What is the missing number?

$487 \times 7 =$ ☐

Find two equivalent fractions of $\frac{5}{6}$.

Shade $\frac{2}{5}$ of the figure.



A puppet show lasts for 50 minutes.
The show ends at 8:05 P.M.
What time does the show start?

It takes 40 minutes to bake a tray of muffins.
How many hours does it take to bake 3 trays of muffins one after the other?

Fiona collects 336 cans for recycling.
Daniel collects 42 more cans than Fiona.
Gary collects 61 fewer cans than Daniel.
How many cans do they collect in total?

The length of a rectangular field is 50 yards and its width is 24 yards.
Kate runs around the field 3 times.
How far does Kate run?

Which number is eighty thousand, sixty-seven?

Ⓐ 86,700 Ⓑ 80,670 Ⓒ 86,007 Ⓓ 80,067

Find the answer to $\frac{759}{6}$.

Ⓐ 12 R 39 Ⓑ 120 R 9 Ⓒ 126 R 3 Ⓓ 126 R 5

$\frac{2}{9}$ of a number is 18. What is $\frac{1}{3}$ of the number?

Ⓐ 6 Ⓑ 9 Ⓒ 27 Ⓓ 81

What is 3 tenths more than 5.21?

Ⓐ 8.21 Ⓑ 5.51 Ⓒ 5.24 Ⓓ 5.54

Complete the number pattern.

16,350 17,000 17,650 _____ _____

Find the least common multiple of 6 and 8.

Terence has 64 stamps. Of his stamps, 12 are from Europe and $\frac{1}{4}$ are from Africa. The rest are from Asia. What fraction of his stamps are from Asia? Give your answer in the simplest form.

Find the value of $10 \times \frac{2}{15}$.

Ⓐ $\frac{3}{4}$ Ⓑ $\frac{4}{3}$

Ⓒ $10\frac{2}{15}$ Ⓓ 75

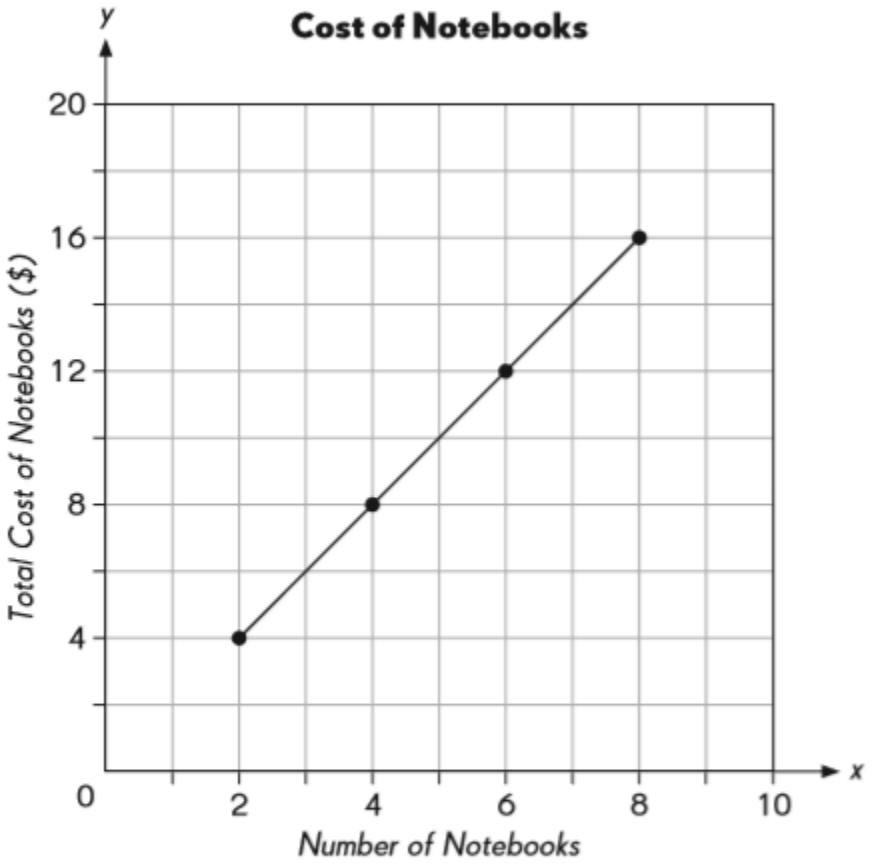
Of the 250 people at a concert, 160 are men. Half of the rest of the people are children. What fraction of the people are women?

Ⓐ $\frac{9}{100}$ Ⓑ $\frac{4}{25}$ Ⓒ $\frac{9}{50}$ Ⓓ $\frac{9}{25}$

5 boys made s muffins. They sold the muffins for \$3 each and shared the money they made equally. How much money did each boy get?

Ⓐ $\$\frac{3s}{5}$ Ⓑ $\$\frac{5s}{3}$ Ⓒ $\$\frac{5+s}{5}$ Ⓓ $\$15s$

The line graph shows the cost of notebooks.



What is the cost of 7 notebooks?

Ⓐ \$5 Ⓑ \$7 Ⓒ \$10 Ⓓ \$14

Multiply 0.687 by 10^3.

Divide 6.42 by 5. Round your answer to the nearest hundredth.

Find $6\frac{1}{4} + 2\frac{7}{9} + 1\frac{3}{4}$.

Mr. Abdul buys 4 bags of charcoal for a barbeque party. Each bag weighs $5\frac{1}{2}$ pounds. What is the total weight of the charcoal?

Circle the prime number.

6 18 23

$\frac{5}{8} + \frac{1}{4} + \frac{1}{2}$

$3 - \frac{1}{2} - \frac{1}{6}$

Express each fraction as a decimal:

$\frac{6}{10} =$ _____ $\frac{74}{100} =$ _____

Which has the same value as $\frac{5}{8} \div 3$?

Ⓐ $\frac{5}{8} \times \frac{3}{1}$ Ⓑ $\frac{8}{5} \times \frac{3}{1}$ Ⓒ $\frac{5}{8} \times \frac{1}{3}$ Ⓓ $\frac{8}{5} \times \frac{1}{3}$

Multiply $\frac{4}{5}$ by $\frac{15}{16}$. Give your answer in simplest form.

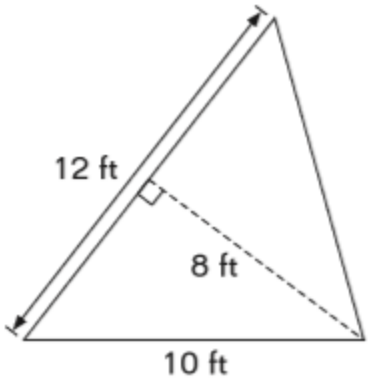
Ⓐ $\frac{3}{4}$ Ⓑ $\frac{60}{80}$ Ⓒ $\frac{19}{21}$ Ⓓ $\frac{20}{21}$

a. $5\frac{5}{8} \times 18$ **b.** $\frac{3}{8} \div 12$

What is the value of the expression $\frac{3p}{8} + 4$ when p is 32?

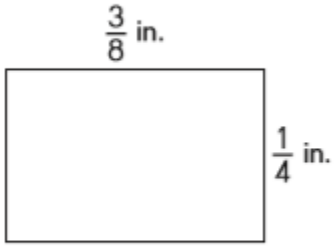
Ⓐ 8 Ⓑ 12 Ⓒ 12.5 Ⓓ 16

What is the area of the triangle?



Ⓐ 48 ft^2 Ⓑ 60 ft^2 Ⓒ 80 ft^2 Ⓓ 96 ft^2

What is the area of the rectangle below?



Ⓐ $\frac{3}{32}$ $in.^2$ Ⓑ $\frac{1}{4}$ $in.^2$ Ⓒ $\frac{5}{8}$ $in.^2$ Ⓓ $1\frac{1}{4}$ $in.^2$

Express 0.04 as a fraction in its simplest form.

Ⓐ $\frac{4}{10}$ Ⓑ $\frac{2}{5}$ Ⓒ $\frac{1}{50}$ Ⓓ $\frac{1}{25}$

What is the value of digit 9 in 35.96?

Ⓐ 9 Ⓑ 0.9 Ⓒ $\frac{9}{100}$ Ⓓ 90

Solve

$(4 + 9 + 4) - 7$

Solve

$4 + (7 + 1) \times 6$

Solve

$(28 \div 7) \times 6 \times 4$

What must be added to 49,862 to equal 10 million?

Ⓐ 950,138 Ⓑ 949,862 Ⓒ 9,949,862 Ⓓ 9,950,138

What is the value of $6 - 3\frac{4}{7}$?

Ⓐ $2\frac{3}{7}$ Ⓑ $3\frac{4}{7}$ Ⓒ $6\frac{3}{7}$ Ⓓ $6\frac{4}{7}$

A piece of cloth 9 yards long is cut into strips of $\frac{1}{3}$ yard. How many strips can be cut from the cloth?

Ⓐ 3 Ⓑ 12 Ⓒ 18 Ⓓ 27

Match the vocabulary word with the definition. Write the letter of the definition next to each word.

Factor	**a. the bottom number in a fraction**
Sum	**b. the answer to a division problem**
Prime Number	**c. a number made up of a whole number and a fraction**
Numerator	**d. the product of a given whole number and any other whole number**
Square (of a number)	**e. An angle with a measure greater than 90°**
Quotient	**f. the number that is left over when a divisor does not divide the dividend equally**
Estimate	**g. the answer to an addition problem**
Reciprocal	**h. a number that has more than 2 factors**
Obtuse angle	**i. a fraction that has a numerator greater than its denominator**
Multiple	**j. to find the approximate value to a numerical expression**
Denominator	**k. the answer to subtraction problem**
Composite	**l. An angle with a measure less than 90°**
Remainder	**m. a whole number that has only 2 factors, 1 and itself**
Product	**n. a number that is the product of two equal factors**
Improper Fraction	**o. the flip of a fraction (when you switch the numerator and denominator)**
Acute angle	**p. numbers you can multiply together to get another number**
Difference	**q. the answer to a multiplication problem**
Mixed Number	**r. the top number in a fraction**

SOLVE! (use a separate sheet if necessary)

198 ÷ 23

6. 240 ÷ 34

495 × 27

12. 856 × 56

1,203 × 78

1,300 ÷ 49

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

6. $\frac{7}{12} - \frac{1}{4}$

$\frac{7}{8} + \frac{1}{6}$

14. $\frac{6}{7} + \frac{3}{4}$

$2\frac{11}{12} + 4\frac{7}{8}$

6. $3\frac{2}{3} + 2\frac{7}{10}$

$3\frac{8}{9} - 1\frac{1}{3}$

2. $5\frac{5}{6} - 4\frac{7}{12}$

$\frac{14}{9} \times \frac{15}{7}$

6. $\frac{16}{15} \times \frac{25}{2}$

$\frac{9}{10} \div 3$

7. $\frac{5}{6} \div 15$

Fill in the chart below! ☺

Number	Factors (List ALL)	Multiples (List the first 8)
8		
30		
24		
11		
45		
12		