

Name _____

Gino can decorate 9 T-shirts per hour. The pattern below shows the total number of T-shirts he decorates after each of the first 5 hours he works. If the pattern continues, what are the next three numbers?

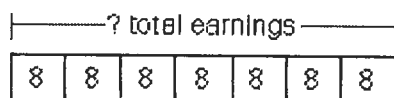
9, 18, 27, 36, 45, , ,

- A 63, 72, 81
- B 63, 64, 72
- C 54, 63, 72
- D 54, 62, 71

If you know that $3 \times 8 = 24$, which division fact do you know?

- A $24 \div 12 = 2$
- B $3 \div 1 = 3$
- C $24 \div 8 = 3$
- D $8 \div 2 = 4$

Howard works 7 hours each day. He earns \$8 per hour. Which number sentence shows the total amount of money he earns in one day?



↑
amount earned each hour

- A $7 + 8 = 15$
- B $8 - 7 = 1$
- C $7 \times 8 = 56$
- D $8 \times 8 = 64$

Name _____

Gina wrote the pattern below in her notebook.

300, 280, 260, 240, 220, ...

What is the next number in Gina's pattern?

- A 200
- B 210
- C 220
- D 240

This table shows the number of people who can fit in different numbers of Ferris wheel cars.

Number of Cars	3	6	9	12
Number of People	24	48	<input type="text"/>	96

How many people can fit into 9 Ferris wheel cars?

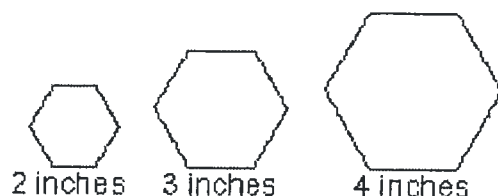
- A 64
- B 72
- C 80
- D 84

Name the value of the given digits in the number below: the 3s in 3,345

- A 300; 30
- B 3,000; 300
- C 300; 3
- D 30; 3

Name _____

Mandy is going to make six-sided figures in different sizes for a mural. Each figure will have sides with equal lengths. She wants to outline each figure with glow tape. How many inches of glow tape will she need for a figure whose sides are 7 inches long?



Inches on One Side	2	3	4	7
Inches of Glow Tape	12	18	24	■

- A 28
- B 35
- C 42
- D 49

Which number could be written in the box to make the number sentence correct?

$$10,403 > \square$$

- A 10,430
- B 10,100
- C 10,403
- D 14,300

Round 232,832 to the nearest ten thousand.

- A 220,000
- B 230,000
- C 240,000
- D 300,000

Name _____

The chart gives the number of football tickets sold at five colleges in a 10 year period.

FOOTBALL TICKETS SOLD IN 10 YEARS

Team Name	Number of Tickets
Blue Devils	1,232,185
Bull Dogs	1,279,211
Yellow Jackets	1,277,003
Admirals	1,073,929
Eagles	1,004,746

Which of these teams sold fewer tickets than the Admirals?

- A Blue Devils
- B Bull Dogs
- C Admirals
- D Eagles

Sandwich buns are sold in packages of either 8 or 12 buns. How many ways can Matt buy exactly 48 buns?

- A 2
- B 3
- C 6
- D 8

Find the product of 50 and 7.

- A 3,500
- B 350
- C 57
- D 35

Name _____

What are the partial products for 75×8 ?

- A 600 and 40
- B 56 and 40
- C 560 and 40
- D 640 and 40

Estimate by rounding to the nearest ten.

$$79 \times 37$$

- A 2,100
- B 2,800
- C 210
- D 280

Find the product of 9 and 207.

- A 1,963
- B 1,863
- C 23
- D 216

Mark's football team has scored about 21 points each game. They played 12 games this season. What is the best estimate for the total number of points they scored in the season?

- A 360
- B 200
- C 100
- D 20

Cathy bought 4 rings at \$5 a ring and 2 bracelets at \$6 a bracelet. Which number sentence can be used to find the total amount Cathy spent on the rings and the bracelets?

- A $20 + 12 = \square$
- B $20 \div 10 = \square$
- C $10 + 12 = \square$
- D $5 + 6 = \square$

Name _____

At the beginning of a cake sale, there were 72 cakes. In the morning, 43 cakes were sold. When the cake sale was over, 17 more cakes had been sold. How many cakes were left when the cake sale was over? Which picture represents the problem?

A

72		
43	17	?

B

?		
72	43	17

C

72	17
43	?

D

$72 + ?$	
43	17

What partial products will help you find the product 5×302 ?

- A 5×3 and 5×2
- B 5×30 and 5×2
- C 5×300 and 5×2
- D 5×30 and 5×20

A box of pens holds 144 pens. There are 6 full boxes of pens in the school supply room. Which number sentence shows the best way to use compatible numbers to estimate the total number of pens in the school supply room?

- A $6 \times 150 = 900$
- B $6 \times 100 = 600$
- C $6 \times 200 = 1,200$
- D $120 \div 6 = 20$

Name _____

Raul's dad bakes bread 5 days a week. If he bakes 85 loaves each day, how many loaves of bread will his dad bake in two 5-day work weeks?

- A 850
- B 595
- C 425
- D 400

A bicycle company needs to send 171 bicycles across the country in 4 groups that are as close to the same size as possible. Which is the best estimate for the number of bicycles in each group?

- A 4 bicycles
- B 30 bicycles
- C 40 bicycles
- D 50 bicycles

It takes 68 days for John's plants to grow three centimeters. About how many weeks is that?

- A about 10 weeks
- B about 12 weeks
- C about 14 weeks
- D about 15 weeks

Name _____

The Reading Club has 43 members. Mrs. Kingston wants to form groups of 5 to read different types of books. How many groups can be formed? How many members will be left over?

- A 7 groups with 6 members left over
- B 8 groups with 3 members left over
- C 9 groups with 2 members left over
- D 10 groups with 1 member left over

Divide.

$$\overline{7)84}$$

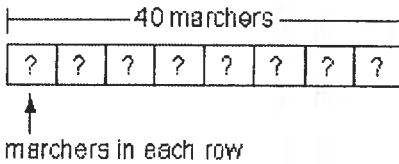
- A 7 R5
- B 8 R1
- C 9 R3
- D 9 R1

Which of these is a story for 6×8 ?

- A Eric has 6 bags with 8 bananas in each bag. How many bananas does he have in all?
- B Eric has 6 bags to put 8 bananas into. How many bananas will he put in each bag?
- C Eric has 6 bananas in one bag and 8 bananas in the other. How many bananas does he have in all?
- D Eric has 8 bananas. He put 6 in one bag. How many bananas does he have left to put in another bag?

Name _____

There are 40 marchers in a band. The marchers are in 8 rows. Each row has the same number of marchers. Which number sentence shows how many marchers are in each row?



- A $40 - 8 = 32$
- B $40 \times 8 = 320$
- C $40 + 8 = 48$
- D $40 \div 8 = 5$

How many 2s are there in 22?

- A 9
- B 11
- C 12
- D 14

Sharon has 99 apples. If she can put 9 apples in each bag, how many bags will she need?

- A 8
- B 9
- C 10
- D 11

Owning stock in a company means owning part of that company. Each part is known as a share. Carol Tucker has 34 shares of stock that she will give to her 3 children. If each child gets the same number of shares, how many shares will each child receive? How many shares will be left over?

- A 10 shares with 4 left over
- B 11 shares with 1 left over
- C 12 shares with none left over
- D 11 shares with none left over

Name _____

A card store was having a sale. The prices are shown below.

Sales Items			
Greeting Cards	\$0.75	Large Candles	\$3.50
Wrapping Paper	\$2.50	Small Candles	\$2.25
Ribbon	\$1.25	Music Boxes	\$8.75
Picture Frames	\$6.00	Books	\$4.50

Morgan spent \$16.00 at the card store sale. He bought a music box, a picture frame, and 1 other item. What else did he buy?

- A Greeting Cards
- B Ribbon
- C Large Candle
- D Small Candle

What are all the factors of 16?

- A 1, 2, 8, 16
- B 1, 2, 4, 8, 16
- C 1, 2, 4, 6, 8, 16
- D 1, 2, 3, 4, 6, 8, 16

Which shows all the factors of 12?

- A 4, 5, 6
- B 3, 4, 6, 12
- C 1, 2, 3, 4, 6, 12
- D 3, 4

Name _____

Which list contains all prime numbers?

- A 19, 28, 29
- B 11, 19, 30
- C 11, 19, 29
- D 11, 15, 29

Which is NOT a multiple of 6?

- A 12
- B 16
- C 18
- D 30

What generalization can be made about all multiples of 4?

- A They are all odd
- B They are all multiples of 2
- C They are all factors of five
- D They are both even and odd

What is the missing number that makes the fractions equivalent?

$$\frac{4}{8} = \frac{20}{?}$$

- A 25
- B 36
- C 40
- D 54

Name _____

This table shows the distance a ball was rolled to the goal by different teammates.

DISTANCES TO THE GOAL	
Name	Fraction
Derrick	$\frac{3}{8}$
James	$\frac{1}{8}$
Eric	$\frac{7}{8}$
Ken	$\frac{1}{4}$

Who rolled the ball the closest to the goal?

- A Derrick
- B James
- C Eric
- D Ken

Monday night Tyrell spent $\frac{2}{6}$ hour on his homework and Eva spent $\frac{5}{6}$ hour on her homework. How much more time did Eva spend on homework than Tyrell?

- A $\frac{3}{6}$ hour
- B $\frac{2}{6}$ hour
- C $\frac{1}{6}$ hour
- D $1\frac{1}{6}$ hours

Name _____

Kanya took a survey about favorite sports. The following table gives the result in fractions.

FAVORITE SPORTS	
Sport	Fraction
Football	$\frac{5}{16}$
Basketball	$\frac{1}{4}$
Soccer	$\frac{3}{8}$
Track	$\frac{1}{16}$

Which sport was the favorite among those surveyed?

- A Football
- B Basketball
- C Soccer
- D Track

At home, Tommy played his guitar and saxophone. He spent 12 minutes on the guitar and twice as long on the saxophone. Which expression can be used to find how much time he spent on the instruments?

- A $12 - (2 \times 12)$
- B $12 + (2 \times 12)$
- C $(12 + 2) - 12$
- D $(12 - 2) \times 12$

Which improper fraction does NOT equal a whole number?

- A $\frac{12}{2}$
- B $\frac{18}{3}$
- C $\frac{24}{4}$
- D $\frac{36}{5}$

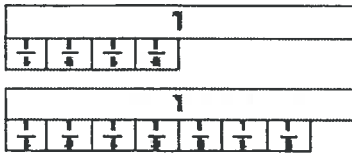
Name _____

Ken ate $\frac{5}{3}$ containers of yogurt. What is $\frac{5}{3}$ expressed as a mixed number?



- A $5\frac{1}{3}$
- B $2\frac{3}{5}$
- C $1\frac{2}{3}$
- D $1\frac{1}{3}$

Mike needs $1\frac{4}{8}$ cups of flour to make a cake and $1\frac{7}{8}$ cups of flour to make a piecrust. How much flour does Mike need to bake the cake and piecrust? Use this model to find the sum.



- A $1\frac{3}{8}$ cups
- B 2 cups
- C $2\frac{8}{10}$ cups
- D $3\frac{3}{8}$ cups

Name _____

Which is a way to show $\frac{3}{6}$?

A $\frac{1}{6} + \frac{1}{6} + \frac{1}{6}$

B $\frac{3}{6} + \frac{1}{6}$

C $\frac{5}{6} + \frac{1}{6}$

D $\frac{6}{6} + \frac{6}{6} + \frac{6}{6}$

Kendra is doing her math homework. For each problem, she uses $\frac{1}{2}$ of a sheet of paper. How many sheets of paper will she need to complete 10 problems?

A 20 sheets

B $\frac{1}{102}$ sheets

C 8 sheets

D 5 sheets

Which decimal is equivalent to $\frac{9}{20}$?

A 0.9

B 0.45

C 0.18

D 0.35

Which decimal is equivalent to $\frac{4}{20}$?

A 0.8

B 0.20

C 0.12

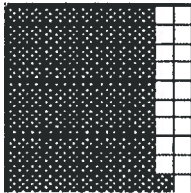
D 0.25

Name _____

A meteorologist reported that 2.5 inches of snow fell last night. What is the value of the 5 in 2.5?

- A five ones
- B five hundredths
- C five tens
- D five tenths

What decimal is shown in the grid below?



- A 81.0
- B 8.1
- C 0.081
- D 0.81

Order the decimals from least to greatest.

8.39, 8.43, 8.4

- A 8.4, 8.39, 8.43
- B 8.43, 8.39, 8.4
- C 8.4, 8.43, 8.39
- D 8.39, 8.4, 8.43

A packet of spices contains 0.52 ounces of garlic powder, 0.36 ounces of salt, 0.6 ounces of red pepper flakes, and 0.25 ounces of oregano. Which spice does the packet have the most of?

- A Garlic powder
- B Salt
- C Red pepper flakes
- D Oregano