

1 A teacher wrote the number below.

25,713

What does the digit 5 represent in the number?

A 5 ones
 B 5 ten thousands
 C 5 thousands
 D 5 hundreds

2 Mr. Guzman is thinking of a number. The number has a 5 in the millions place and a 5 in the hundreds place. Which could be the number?

A 5,126,549
 B 57,234,561
 C 52,583
 D 1,537,548

3 Four students each wrote a number.

Dale **72,487** Joel **72,478**

Rafe **72,874** Asim **72,847**

Which student wrote the smallest number?

A Dale B Joel
 C Rafe D Asim

4 How is the numeral 80,052 written with words?

A Eight hundred thousand, fifty-two
 B Eighty thousand, five hundred two
 C Eighty-five thousand, two
 D Eighty thousand, fifty-two

5 The table shows the lengths of 4 rivers in kilometers.

River P	2,480
River Q	2,500
River R	1,810
River S	2,550

Which lists the rivers in order from longest to shortest?

A R, Q, S, P B S, P, Q, R
 C S, R, Q, P D S, Q, P, R

1 Which number means the same as 4 ten thousands + 5 thousands + 3 hundreds + 8 ones?

A 4,538
 B 45,308
 C 405,308
 D 410,538

2 Which number is **NOT** between 64,125 and 67,290?

64,125		67,290
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A 65,132
 B 67,154
 C 66,735
 D 67,345

3 Which list of numbers is in order from greatest to least?

A
 Greatest 92,457 92,399 91,875 Least 90,999

B
 Greatest 75,638 76,874 77,132 Least 78,457

C
 Greatest 77,596 76,487 77,321 Least 76,453

D
 Greatest 92,147 93,687 91,453 Least 95,484

4 How is the numeral below written with words?

6,037,015

A Sixty-three million, seven thousand, fifteen
 B Six hundred thirty-seven thousand, fifteen
 C Six million, thirty-seven thousand, fifteen
 D Sixty million, thirty-seven thousand, fifteen

5 What is the place value of the 8 in the number 87,120,356?

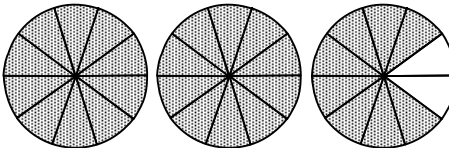
A Millions
 B Ten millions
 C Hundred thousands
 D Ten thousands

6 What does the 9 in the price represent?

\$15.79

A \$9.00
 B \$0.90
 C \$0.09
 D \$90.00

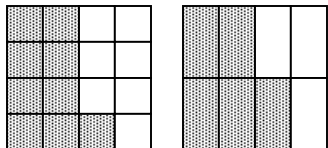
1 The model represents 2.8.



Which fraction represents the decimal number?

(A) $2 \frac{2}{8}$ (B) $2 \frac{2}{10}$
 (C) $2 \frac{8}{10}$ (D) $3 \frac{2}{10}$

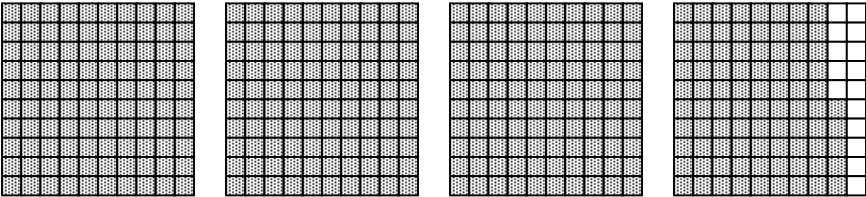
2 Look at the models.



Which compares the shaded portions of the models?

(A) $\frac{9}{16} = \frac{5}{8}$ (B) $\frac{9}{16} > \frac{5}{8}$
 (C) $\frac{9}{16} < \frac{5}{8}$ (D) $\frac{7}{16} = \frac{3}{8}$

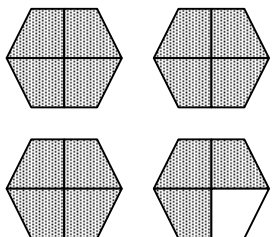
3 The model is shaded to represent $3 \frac{85}{100}$.



Which decimal does the model represent?

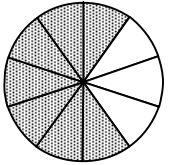
(A) 38.5 (B) 3.85 (C) 0.385 (D) 4.85

4 Which fraction represents the model?



(A) $\frac{3}{4}$ (B) $\frac{12}{3}$
 (C) $\frac{11}{4}$ (D) $\frac{15}{4}$

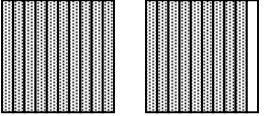
5 The model represents 0.7.



Which fraction represents the decimal number?

(A) $\frac{77}{100}$ (B) $\frac{7}{10}$
 (C) $\frac{7}{100}$ (D) $\frac{10}{7}$

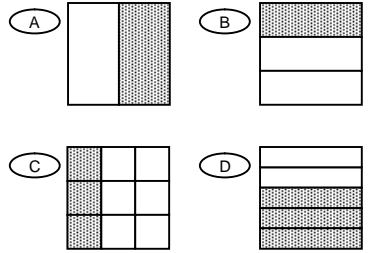
1 The model represents 1.9.



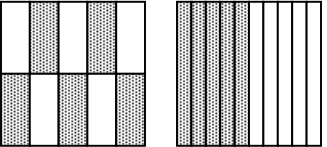
Which fraction represents the decimal?

(A) $9 \frac{1}{10}$ (B) $19 \frac{1}{10}$
 (C) $1 \frac{9}{100}$ (D) $1 \frac{9}{10}$

2 Which model is shaded to show a fraction that is equivalent to $\frac{3}{6}$?



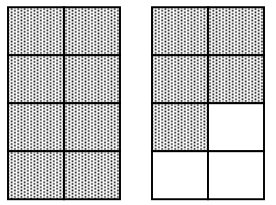
3 Look at the fraction models.



Which compares the shaded portions of the models?

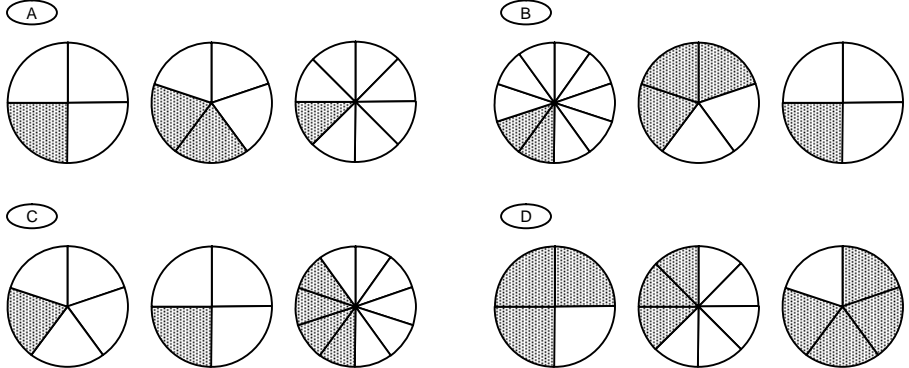
(A) $\frac{6}{10} > \frac{5}{10}$ (B) $\frac{4}{10} < \frac{5}{10}$
 (C) $\frac{5}{10} = \frac{5}{10}$ (D) $\frac{5}{10} > \frac{6}{10}$

4 The model below is shaded to show which fraction?



(A) $\frac{8}{13}$ (B) $\frac{13}{8}$
 (C) $\frac{3}{13}$ (D) $\frac{5}{13}$

5 Which group of fraction models is in order from least to greatest?



1 The number 6 will make which number sentence true?

(A) $48 \div \square = 8$
 (B) $\square \times 48 = 8$
 (C) $8 \times 48 = \square$
 (D) $\square \div 8 = 48$

2 Mr. Moore will buy 14 bales of hay to feed his cows. If each bale weighs 100 pounds, how much will the 14 bales weigh altogether?

(A) 140 pounds
 (B) 1,400 pounds
 (C) 104 pounds
 (D) 1,014 pounds

3 A cheerleading coach needs to form squads of 7 cheerleaders. There are 56 cheerleaders in all. Which number sentence is in the same fact family as $56 \div 7 = \square$?

(A) $7 \times 56 = \square$
 (B) $\square \times 56 = 8$
 (C) $56 \times 8 = \square$
 (D) $\square \times 7 = 56$

5 Look at the table.

Number	Number \times 100
68	6,800
142	14,200
330	33,000
?	?

Which set of numbers will complete the table?

(A)

4 Rashida wrote the equation below.

$\square \times 10 = 70,420$

Which number completes the equation?

(A) 742
 (B) 7,420
 (C) 7,042
 (D) 70,420

(B)

245	24,500
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(C)

410	4,100
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(D)

184	10,084
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1 Gavin has 80 pennies and 4 pockets. He wants to place the same number of pennies in each pocket. Which number sentence is in the same fact family as $80 \div 4 = \square$?

(A) $\square + 4 = 80$
 (B) $80 - 4 = \square$
 (C) $\square \times 4 = 80$
 (D) $80 \times 4 = \square$

2 Look at the equation below.

$100 \times \square = 10,100$

Which number will complete the equation?

(A) 101
 (B) 11
 (C) 1,001
 (D) 10

3 Destiny's goal is to read 10 books each month next year. If she achieves her goal, how many books will she read next year?

(A) 22 books
 (B) 102 books
 (C) 120 books
 (D) 1,200 books

4 The number 12 will make which number sentence true?

(A) $48 \div \square = 8$
 (B) $\square \times 4 = 48$
 (C) $4 \times 48 = \square$
 (D) $\square \div 4 = 8$

5 Look at the pairs of numbers in the table below.

Number	457	602	130
Number \times 10	4,570	6,020	1,300

Which pair of numbers could also be a part of the table?

(A)

301
310

 (B)

301
30,100

 (C)

301
31

 (D)

301
3,010

1 Deon and Brandi are playing a game. The table shows the numbers that Deon says and how Brandi responds.

Deon's Numbers	Brandi's Responses
8	2
24	6
56	14
84	?

According to the pattern in the table, what should Brandi do to respond to 84?

- A Multiply 84 by 2
- B Subtract 28 from 84
- C Divide 84 by 4
- D Add 84 to 14

3 Janine makes rings with emeralds. The table shows the number of emeralds she attaches to different numbers of rings.

Number of Rings	5	9	12	15	20
Number of Emeralds	40	72	96	120	160

Which describes the relationship in the table?

- A Number of rings + 35 = number of emeralds
- B Number of rings + 63 = number of emeralds
- C Number of rings \times 6 = number of emeralds
- D Number of rings \times 8 = number of emeralds

2 The table shows how far Rachel can ride her bike after different numbers of seconds.

Number of Seconds	Number of Yards
3	36
4	48
6	72
7	84

Which shows a way to find the number of yards she will travel after 10 seconds?

- A Add 10 to 84
- B Multiply 10 by 12
- C Subtract 7 from 84
- D Divide 84 by 7

1 Mike sells cell phones. The table shows the prices of some cell phones and the prices of the same phones when they are discounted.

Regular prices	\$37	\$59	\$95	\$125	\$199
Discounted prices	\$22	\$44	\$80	\$110	\$184

Based on the information in the table, how can Mike describe the discounted prices?

- A Add \$11 to the regular price
- B Subtract \$15 from the regular price
- C Multiply the regular price by 3
- D Divide the regular price by 2

2 The numbers in Set X are related in the same way to the numbers in Set Y.

Set X	Set Y
14	42
8	24
21	63
53	159

If a number in Set X was 33, how could its paired number in Set Y be found?

- A Add 28 to it
- B Divide it by 4
- C Multiply it by 3
- D Subtract 16 from it

3 A teacher is playing a game with her students. The table shows the numbers that the teacher says and how her students reply.

Teacher's Number	Students' Reply
102	112
94	104
299	309
990	1,000

What are the students doing to the teacher's numbers?

- A Multiplying them by 10
- B Adding 10 to them
- C Subtracting 10 from them
- D Dividing them by 10

1 Which letter has a line of symmetry?

(A) Q (B) Z

(C) P (D) A

2 Which transformation is represented from figure R to figure S?

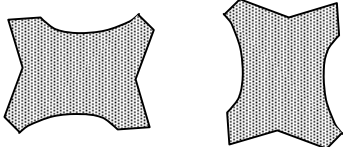
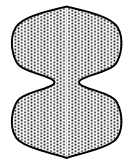
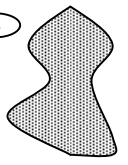
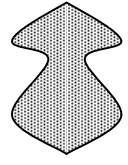
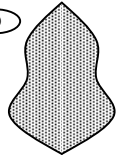


Figure R Figure S

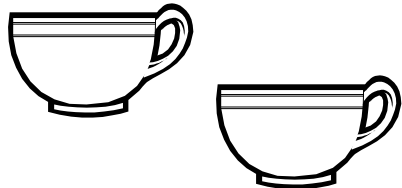
(A) Translation (B) Rotation
(C) Reflection (D) Not here

3 Which figure does **NOT** have a line of symmetry?

(A)  (B) 

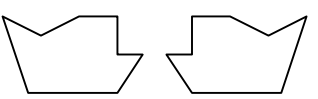
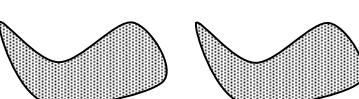
(C)  (D) 

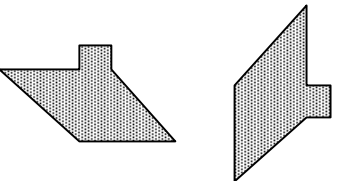
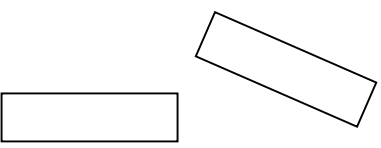
4 Which single transformation of the cup is represented?



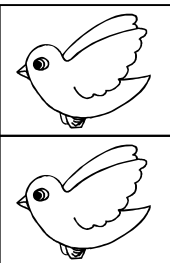
(A) Reflection (B) Rotation
(C) Translation (D) Not here

5 Mr. Davis drew a pair of figures to represent a single reflection. Which shows a single reflection?

(A)  (B) 

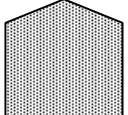
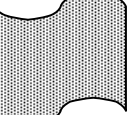
(C)  (D) 

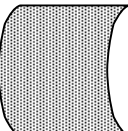
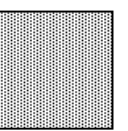
1 Which single transformation of the bird is represented?



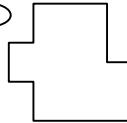
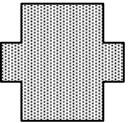
(A) Translation (B) Reflection
(C) Rotation (D) Not here

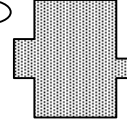
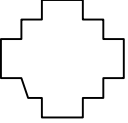
2 Which figure does **NOT** have a line of symmetry?

(A)  (B) 

(C)  (D) 

3 Which figure has at least one line of symmetry?

(A)  (B) 

(C)  (D) 

4 Which transformation is represented from figure C to figure D?

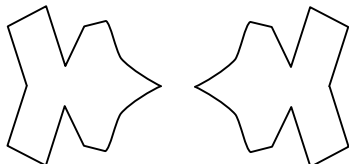






Figure C Figure D

(A) Translation (B) Rotation
(C) Reflection (D) Not here

5 Harold made some designs with stars. Which arrangement of stars does **NOT** have a line of symmetry?

(A)  (B) 

(C)  (D) 

1 Which number does point M represent?

639 659 663 667 679

(A) 642 (B) 651 (C) 653 (D) 656

2 Which number does point R represent?

10 10 $\frac{3}{4}$ 11 12 $\frac{1}{4}$

(A) 11 $\frac{1}{2}$ (B) 12 $\frac{3}{4}$ (C) 12 (D) 11 $\frac{1}{4}$

3 Which point represents 41.6 on the number line?

41 42 42.2

(A) Point A (B) Point B (C) Point C (D) Point D

4 Which number does point T represent?

0 1 2 3 4 5

(A) 3 $\frac{3}{4}$ (B) 2 $\frac{1}{2}$ (C) 3 $\frac{1}{2}$ (D) 2 $\frac{1}{4}$

5 Which number does point W represent?

7 7.3 8

(A) 7.5 (B) 7.6 (C) 7.7 (D) 8.3

1 Which number does point F represent?

4.9 5 6

(A) 5.3 (B) 6.8 (C) 5.2 (D) 6.7

2 Which number does point Y represent?

20 20 $\frac{3}{4}$ 21 21 $\frac{1}{4}$ 22 $\frac{1}{4}$

(A) 22 $\frac{1}{2}$ (B) 22 $\frac{1}{4}$ (C) 21 $\frac{1}{2}$ (D) 21 $\frac{3}{4}$

3 Which point represents 3.4 on the number line?

2 3 4 4.2

(A) Point J (B) Point K (C) Point L (D) Point M

4 Which number does point G represent?

5 6 7 8 9

(A) 8 $\frac{1}{4}$ (B) 8 $\frac{1}{2}$ (C) 8 $\frac{3}{4}$ (D) 9 $\frac{1}{2}$

5 Which number does point V represent?

420 480 540 600

(A) 540 (B) 660 (C) 440 (D) 560