# Jeopardy

Fourth Grade Review of Numbers & Operations

# Jeopardy

| Place Value Whole #'s | Rounding & Estimating | Operations | Decimals | Fractions |
|---|---|---|---|---|
| 100 | 100 | 100 | 100 | 100 |
| 200 | 200 | 200 | 200 | 200 |
| 300 | 300 | 300 | 300 | 300 |
| 400 | 400 | 400 | 400 | 400 |
| 500 | 500 | 500 | 500 | 500 |

Shannon read that fourteen thousand, nine hundred eighty-seven people live in Dukes County. Which of the following is another way to write this number?

A. 10,000 + 4,000 + 900 + 80 + 7
B. 14,000,987
C. 14 x 100 + 9 x 10 + 87
D. 1 + 4 + 9 + 8 + 7

Shannon read that fourteen thousand, nine hundred eighty-seven people live in Dukes County. Which of the following is another way to write this number?

A. 10,000 + 4,000 + 900 + 80 + 7

B. 14,000,987 14 million, 987

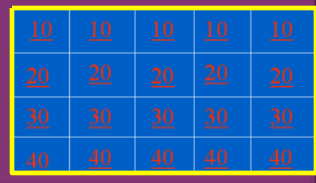
C. 14 x 100 + 9 x 10 + 87 14 thousand + 90+ 87

D. 1 + 4 + 9 + 8 + 7 29

fourteen thousand (10,000 + 4,000)

nine hundred (900)

eighty-seven (80 + 7)



Carlos is solving the number sentence shown below:

$15 \times 12 =$

Which of the following methods could he use to find the correct solution?

A. $(15 + 10) + (15 + 2)$
B. $(15 + 10) \times (15 + 2)$
C. $(15 \times 10) \times (14 \times 2)$
D. $(15 \times 10) + (15 \times 2)$

Carlos is solving the number sentence shown below:

15 x 12 =

**12 = 10 + 2 Use the distributive property.**

**15 x 12 = (15 x 10) + (15 x 2)**

Which of the following methods could he use to find the correct solution?

A. (15 + 10) + (15 + 2)
B. (15 + 10) x (15 + 2)
C. (15 x 10) x (14 x 2)
D. (15 x 10) + (15 x 2)

| | | | | |
|---|---|---|---|---|
| 10 | 10 | 10 | 10 | 10 |
| 20 | 20 | 20 | 20 | 20 |
| 30 | 30 | 30 | 30 | 30 |
| 40 | 40 | 40 | 40 | 40 |

What number is 10 more than 5,237?

A. 5,238
B. 5,247
C. 5,337
D. 5,237

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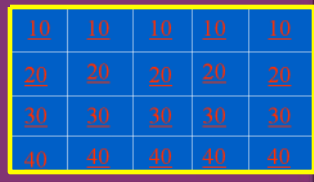
A. 5,238
B. 5,247
C. 5,337
D. 5,237

$$\begin{array}{r} +\ 10 \\ \hline 5{,}247 \end{array}$$



The chart shows the area of four countries.
Order the countries from least to greatest area.

| Country | Area (sq mi) |
|---|---|
| Canada | 3,851,808 |
| China | 3,696,100 |
| Egypt | 386,908 |
| Russia | 6,592,812 |

A. Egypt, Canada, China, Russia
B. Egypt, China, Canada, Russia
C. Russia, China, Canada, Egypt
D. Russia, Canada, China, Egypt

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Order the countries from least to greatest area.

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| Canada | 3,851,808 |
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| Russia | 6,592,812 |

**Line the numbers up from the ones place.**

386,908 Egypt
3,696,199 China
3,851,808 Canada
6,592,612 Russia

| | | | | |
|---|---|---|---|---|
| 10 | 10 | 10 | 10 | 10 |
| 20 | 20 | 20 | 20 | 20 |
| 30 | 30 | 30 | 30 | 30 |
| 40 | 40 | 40 | 40 | 40 |

Jamal's clues about his mystery number are shown in the box below.

What is Jamal's mystery number?

A. 5,826

B. 6,285

C. 68,052

D. 86,520

My number has

5 tens

8 thousands

2 ones

6 ten thousands

0 hundreds

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My number has

5 tens

8 thousands

2 ones

6 ten thousands

0 hundreds

What is Jamal's mystery number?

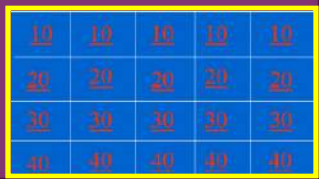
A. 5,826

B. 6,285

C. 68,052

D. 86,520

50 + 8,000 + 2 + 60,000 + 0 = 68,052



**A weather forecaster checked and emptied a rain gauge six times one day. The measurements in inches were 0.243, 0.595, 0.903, 0.756, 0.398, and 0.112.**

**Which is the best estimate of the total rainfall that day?**

A. 2.0 in.

B. 2.5 in.

C. 3.0 in.

D. 3.5 in.

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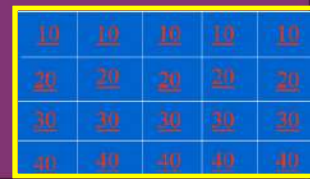
$$
\begin{aligned}
0.243 &\rightarrow 0.2 \\
0.595 &\rightarrow 0.6 \\
0.903 &\rightarrow 0.9 \\
0.756 &\rightarrow 0.8 \\
0.398 &\rightarrow 0.4 \\
+0.112 &\rightarrow 0.1 \\
\hline
&\quad 3.0
\end{aligned}
$$



The attendance for weekend performances of a concert was 1,994 for Friday night, 2,041 for Saturday night, and 1,991 for Sunday night. Which is the BEST estimate of the concerts' total attendance?

A. 2,000
B. 4,000
C. 6,000
D. 8,000

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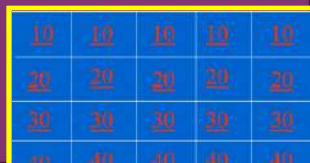
A. 2,000
B. 4,000
C. 6,000
D. 8,000

**1,994 → 2,000**
**2,041 → 2,000**
**+1,991 → 2,000**
**6,000**



The circus sold 1,698 student tickets and 879 adult tickets for a show. Which is the best estimate of how many more student tickets were sold than adult tickets?

A. 200
B. 800
C. 1,700
D. 2,600

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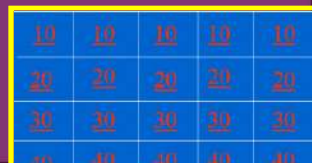
A. 200
B. 800
C. 1,700
D. 2,600

$$\begin{array}{r} 1{,}698 \rightarrow 1{,}700 \\ -\ 879 \rightarrow\ -\ 900 \\ \hline 800 \end{array}$$



The table below shows the number of computers sold at a store during three days of a sale.

**Computer Sales**

| Day | Number of Computers Sold |
|---|---|
| Friday | 324 |
| Saturday | 581 |
| Sunday | 456 |

According to the table, which is the best estimate of the total number of computers sold at this store during these three days?

A. 1,200
B. 1,300
C. 1,400
D. 1,500

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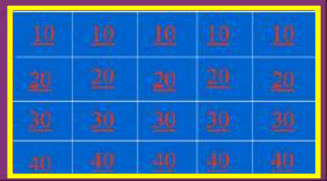
C. 1,400
D. 1,500

$324 \rightarrow 300$
$581 \rightarrow 600$
$+456 \rightarrow 500$
$1{,}400$



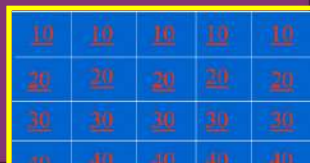
Jon, Vincent, and Alana each have a stamp collection. Jon has 197 stamps, Vincent has 32 stamps, and Alana has 98 stamps. What is the best estimation of the total number of stamps the three people have collected?

A 310
B 320
C 330
D 400

Jon, Vincent, and Alana each have a stamp collection. Jon has 197 stamps, Vincent has 32 stamps, and Alana has 98 stamps. What is the best estimation of the total number of stamps the three people have collected?

A 310
B 320
C 330
D 400

$$\begin{aligned} 197 &\rightarrow 200 \\ 32 &\rightarrow 30 \\ +\ 98 &\rightarrow 100 \\ \hline & 330 \end{aligned}$$



Each bus at Dan's school can carry 37 students. Dan estimates that 400 students would need 12 buses to carry them. Which expression can be used to check whether Dan's estimation is reasonable?

A 30 x 10
B 30 x 20
C 40 x 10
D 40 x 20

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A 30 x 10
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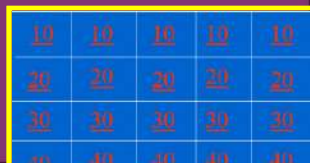
D 40 x 20

$$37 \rightarrow 40$$
$$\times 12 \rightarrow 10$$
$$400$$



Ms. Fuller bought a roll of gold ribbon to make bows for gift packages. There were 6 feet of ribbon on the roll. How many inches of ribbon were on the roll?

A. 18
B. 36
C. 60
D. 72

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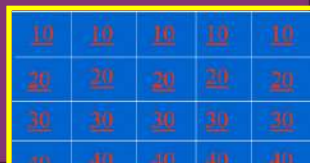
A. 18
B. 36
C. 60
D. 72

**There are 12 inches in a foot. 6 x 12 = 72**
**There were 72 inches of ribbon on the roll.**



Rufus bought 6 items at the mall. No item cost more than $5 or less than $2. Which of the following could be the total cost of the 6 items Rufus bought?

A. $7
B. $10
C. $22
D. $31

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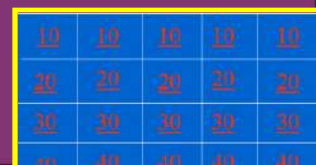
A. $7
B. $10
C. $22
D. $31

**If no item costs more than $5, then 6 x $5 = $30 (the largest possible amount)**

**If no item costs less than $2, then 6 x $2 = $12 (the smallest possible amount)**

**$22 is the only amount between $12 and $30.**



Chen Li buys sports equipment for the City Park. One carton of tennis balls costs $49. If she needs to buy 17 cartons, how much will she pay for the tennis balls?

A. $68
B. $441
C. $733
D. $833

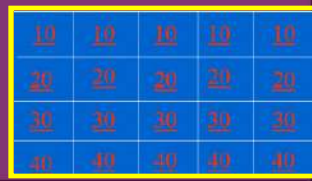
Chen Li buys sports equipment for the City Park. One carton of tennis balls costs $49. If she needs to buy 17 cartons, how much will she pay for the tennis balls?

**$49 x 17 = $833**

A. $68
B. $441
C. $733
D. $833

| x | 40 | 9 |
|---|---|---|
| 10 | 400 | 90 |
| 7 | 280 | 63 |

490
+343
$833



The table below shows the total cost for different numbers of tickets to a special show at a water park. Each ticket costs the same amount. What is the total cost for 12 tickets to the show?

A. $48
B. $44
C. $36
D. $24

**Ticket Costs for Water Park Show**

| Number of Tickets | Total Cost |
|---|---|
| 4 | $16 |
| 9 | $36 |
| 18 | $72 |
| 21 | $84 |

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A. $48
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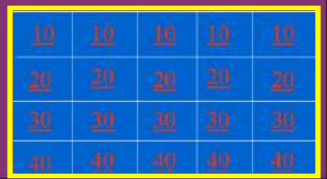
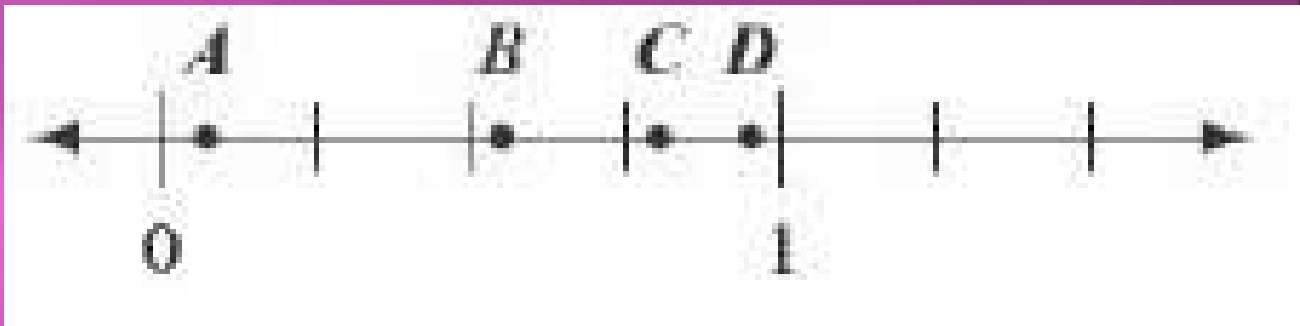
**Ticket Costs for Water Park Show**

| Number of Tickets | Total Cost |
|---|---|
| 4 | $16 |
| 9 | $36 |
| 18 | $72 |
| 21 | $84 |

**If 4 tickets cost $16, then 1 ticket would cost $4. 12 tickets would cost 12 x $4 = $48.**



Which point on the number line below best represents 0.8?



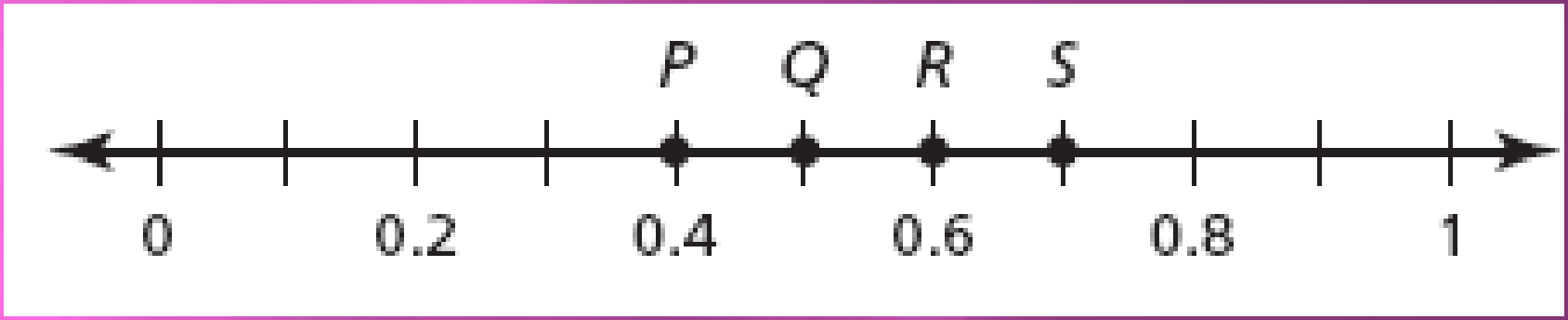

A. point A
B. point B
C. point C
D. point D

Which point on the number line below best represents 0.8?

A. point A
B. point B
C. point C
D. point D

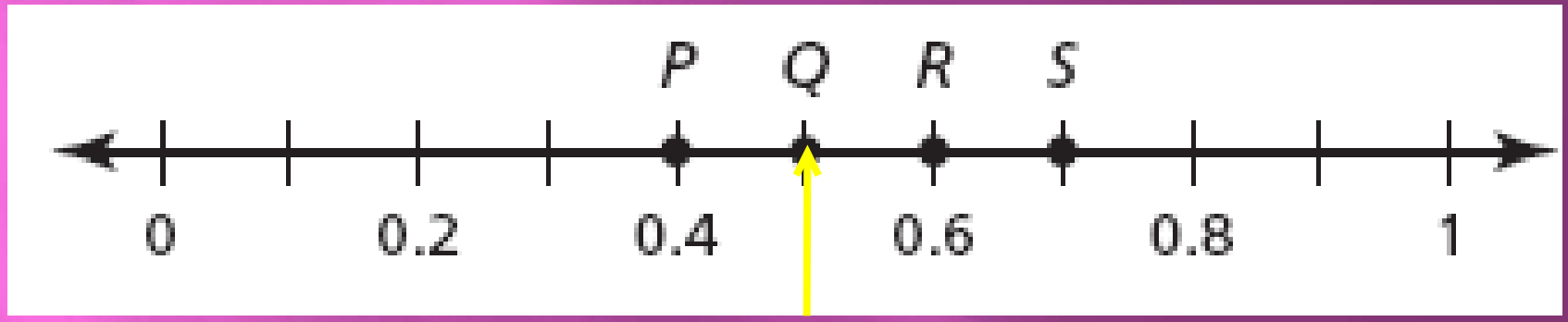

**There are 4 equally distributed parts between 0 and 1. This means that each tick represents a fourth or 0.25. Counting each tick by quarters or 0.25, we see that point C is closest to 0.8.**

The points labeled on the number line below represent decimal numbers. Which point represents a decimal greater than 0.45 but less than 0.55?




A. Point P
B. Point Q
C. Point R
D. Point S

The points labeled on the number line below represent decimal numbers. Which point represents a decimal greater than 0.45 but less than 0.55?




0. 5

A. Point P
B. Point Q
C. Point R
D. Point S

**Count each tick by 0.1**

**0.5 (Q) is between 0.45 and 0.55**

It takes Tomas about 2 hours to deliver the 57 newspapers on his route. He earns $0.10 for each newspaper he delivers. About how much does Tomas make per hour?

A. $8.00
B. $6.00
C. $3.00
D. $2.00

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A. $8.00

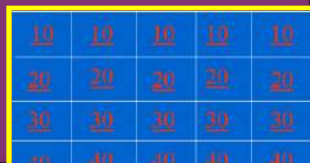
B. $6.00

C. $3.00

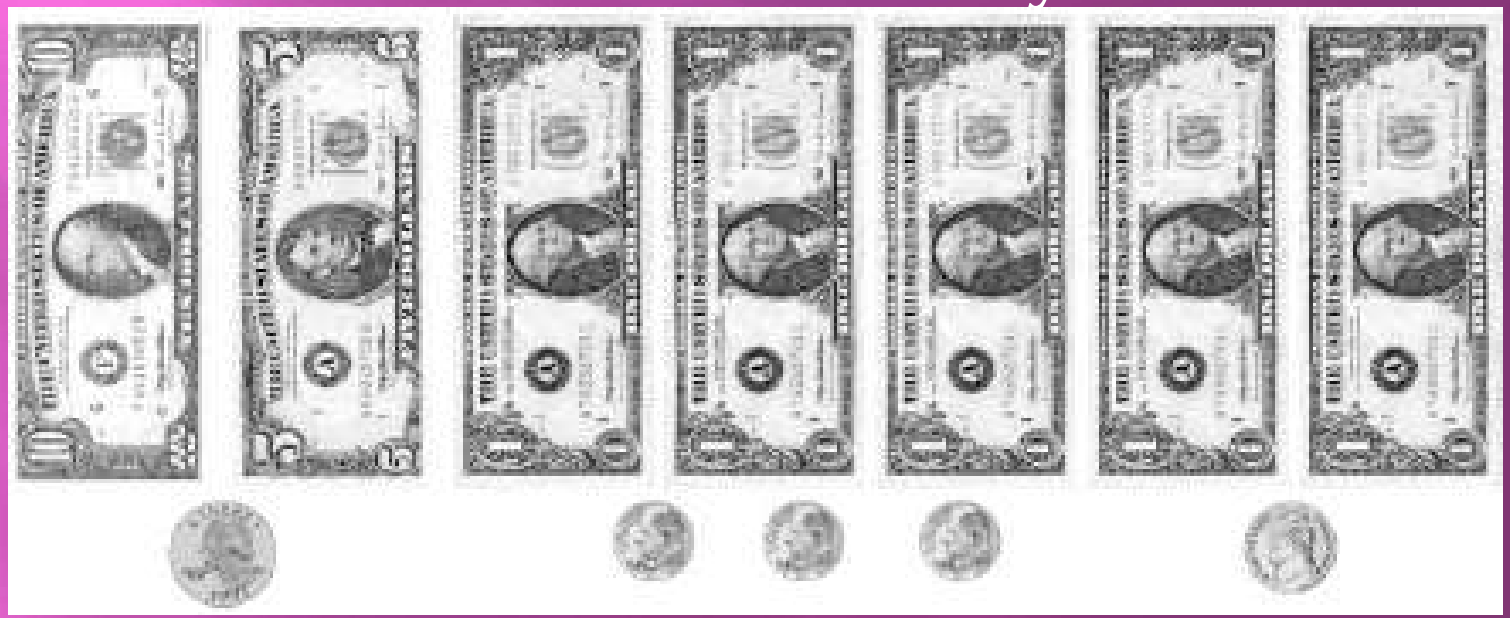
D. $2.00

**First multiply 57 x $0.10 to see how much he makes for the 2 hours. That's about $6.00 for 2 hours. So that would mean $3.00 an hour.**

$$\begin{array}{r} 57 \\ \times \$0.10 \\ \hline \$5.70 \end{array}$$



Grant wants to buy some CDs. He has the following money in his pocket:
If each CD costs $4.65, how many can he buy?



A. 3
B. 4
C. 5
D. 6

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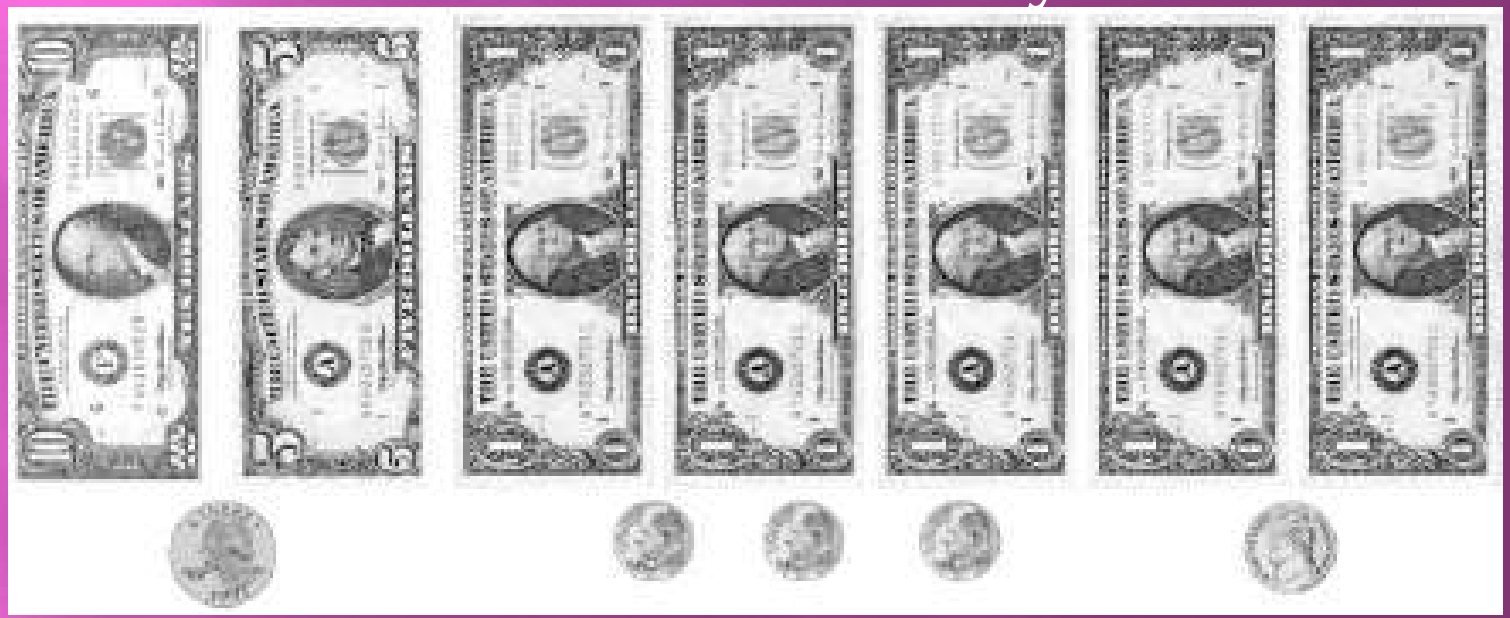

A. 3
B. 4
C. 5
D. 6

**After counting the money, we see that Grant has $20.60. $20.60 ÷ $4.65 = 4 r$2**
**Grant can buy 4 CDs.**

Each night Ann and her family empty their pockets, purses, and wallets and place all of the pennies, nickels, dimes, and quarters in a large container. At the end of the month, Ann helps her father count the coins. If Ann counted 345 pennies, 142 dimes, and 60 quarters, how much money did she count?

A. $32.65
B. $47.65
C. $385.45
D. $547.00

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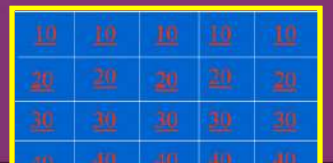
A. $32.65
B. $47.65
C. $385.45
D. $547.00

| Pennies (x $0.01) | Dimes (x $0.10) | Quarters (x $0.25) |
|---|---|---|
| 345 | 142 | 60 |
| $3.45 | $14.20 | $15.00 |

$ 3.45
$14.20
+$15.00
$32.65



Which number is equivalent to $\frac{9}{4}$ ?

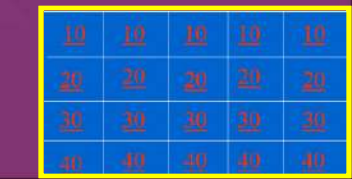
A. 2.75
B. 2.4
C. 2.25
D. 2.1

Which number is equivalent to $\frac{9}{4}$ ?

$9 \div 4 = 2.25$

A. 2.75
B. 2.4
C. 2.25
D. 2.1

$$
\begin{array}{r}
2.25 \\
4\overline{)9.00} \\
-8 \\
\hline
10 \\
-8 \\
\hline
20 \\
-20 \\
\hline
\end{array}
$$



Isabel planted beans in 0.8 of her garden. Which fraction is equivalent to 0.8?

A. $\frac{1}{8}$

B. $\frac{1}{5}$

C. $\frac{1}{4}$

D. $\frac{4}{5}$

Isabel planted beans in 0.8 of her garden. Which fraction is equivalent to 0.8?

A. $\frac{1}{8}$

B. $\frac{1}{5}$

C. $\frac{1}{4}$

D. $\frac{4}{5}$

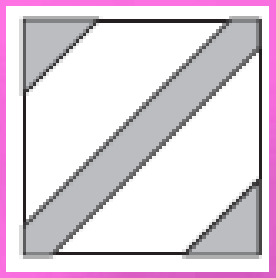
**First change 0.8 to a decimal fraction.**

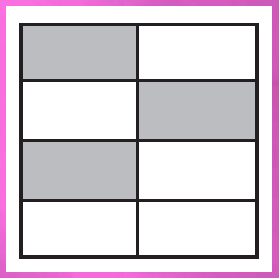
$\frac{8}{10} = \frac{4}{5}$

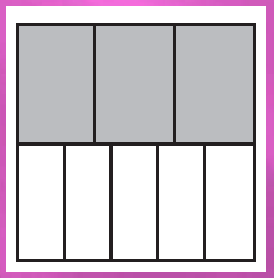
**Then find an equivalent fraction. Both have a common factor of 2.**

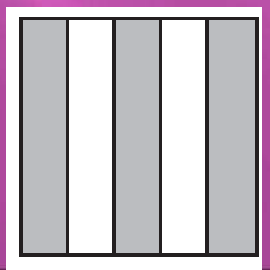
| | | | | |
|---|---|---|---|---|
| 10 | 10 | 10 | 10 | 10 |
| 20 | 20 | 20 | 20 | 20 |
| 30 | 30 | 30 | 30 | 30 |
| 40 | 40 | 40 | 40 | 40 |

Which of the following squares has $\frac{3}{5}$ shaded?

A. 

B. 

C. 

D. 

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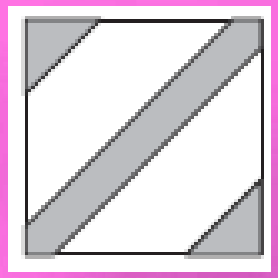
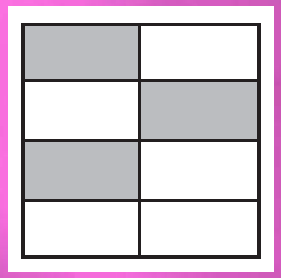
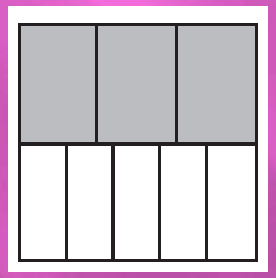
A. 

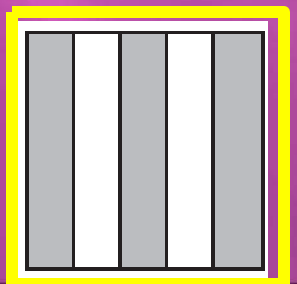
**This square doesn't have equal shares.**

B. 

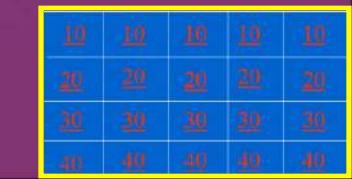
**This square has 3 parts shaded and 8 parts in all.**

C. 

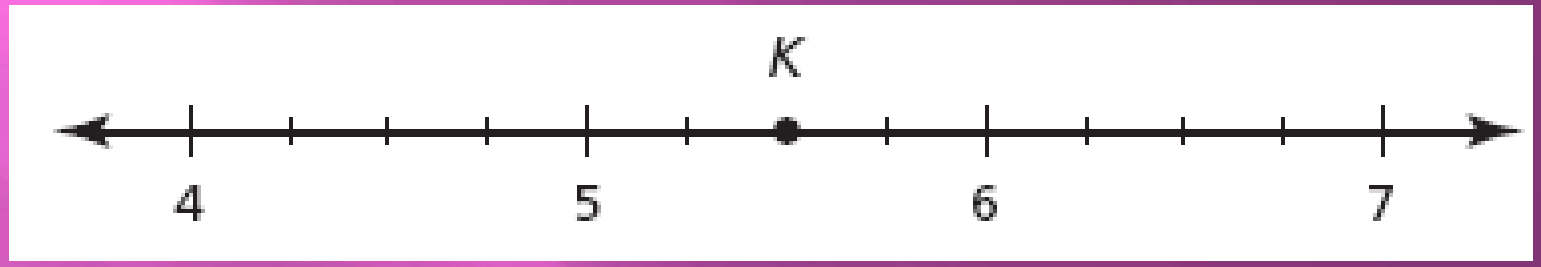
**This square doesn't have equal shares.**

D. 

**This square has 5 equal shares with 3 of them shaded.**



Which mixed number does Point K best represent on the number line below?




A. $5\frac{1}{2}$

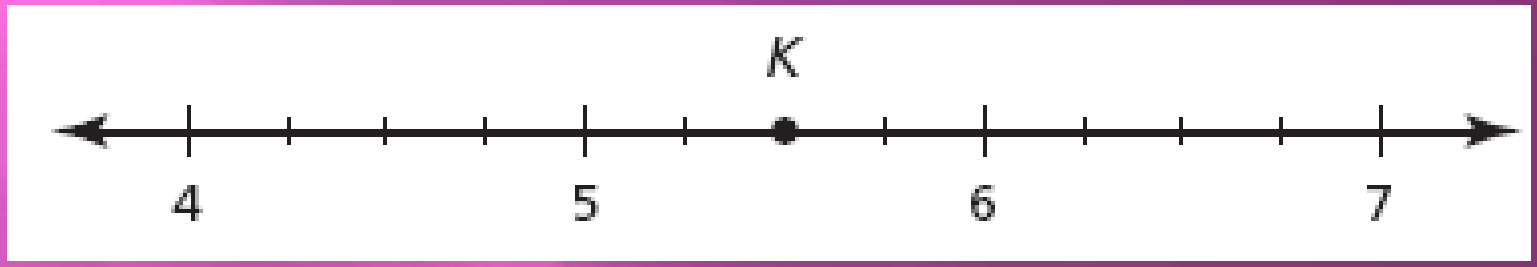
B. $5\frac{3}{5}$

C. $5\frac{2}{3}$

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

Which mixed number does Point K best represent on the number line below?

A. $5\frac{1}{2}$




B. $5\frac{3}{5}$

C. $5\frac{2}{3}$

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

**The space between each whole number is divided into 4 equal parts.**

**Count by fourths. Then find the equivalent fraction.**

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

| | | | | |
|---|---|---|---|---|
| 10 | 10 | 10 | 10 | 10 |
| 20 | 20 | 20 | 20 | 20 |
| 30 | 30 | 30 | 30 | 30 |
| 40 | 40 | 40 | 40 | 40 |

Which number is equivalent to $3\frac{7}{8}$ ?

A. $\frac{59}{8}$

B. $\frac{31}{8}$

C. $\frac{29}{8}$

D. $\frac{18}{8}$

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A. $\frac{59}{8}$

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D. $\frac{18}{8}$

**First multiply the whole number x the numerator (3 x 8 = 24) Then add this number to the numerator (24 + 7 = 31). The denominator does not change.**

$\frac{31}{8}$

| | | | | |
|---|---|---|---|---|
| 10 | 10 | 10 | 10 | 10 |
| 20 | 20 | 20 | 20 | 20 |
| 30 | 30 | 30 | 30 | 30 |
| 40 | 40 | 40 | 40 | 40 |