

Name: _____ Date: _____ Period: _____

7th Grade Math At-Home Learning

Monday, March 30, 2020

1.

$$0 \times (-4) = ?$$

2.

$$-1 \times 2 = ?$$

3.

$$-3 \times 4 = ?$$

4.

$$-6 \times (-1) = ?$$

5.

$$12 \div (-6) = ?$$

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6.

$$6 \div (-1) = ?$$

7.

$$2 \div (-2) = ?$$

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7th Grade Math At-Home Learning

Tuesday, March 31, 2020

1.

Solve for z :

$$-0.25z = -1.25$$

$$z = \boxed{}$$

2.

Solve for t :

$$t \div \frac{5}{12} = -\frac{3}{10}$$

$$t = \boxed{}$$

3.

Solve for t :

$$-18 = -3t$$

$$t = \boxed{}$$

4.

Solve for x :

$$\frac{x}{-4} = -1.11$$

$$x = \boxed{}$$

5.

Solve for x :

$$34 = -2x$$

$$x = \boxed{}$$

6.

Solve for f :

$$\frac{f}{5} = -8$$

$$f = \boxed{}$$

7.

Solve for x :

$$-\frac{5}{6}x = -\frac{10}{3}$$

$$x = \boxed{}$$

7th Grade Math At-Home Learning

Wednesday, April 1, 2020

1. P(heads) means Probability of getting heads.

You flip a fair coin.

What is P(heads)?

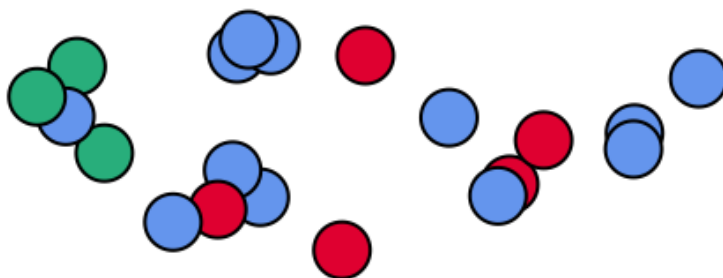
If necessary, round your answer to 2 decimal places.

- 2.

You randomly draw a marble out of a bag that contains 20 total marbles. 12 of the marbles in the bag are blue.

What is P(draw a blue marble)?

If necessary, round your answer to 2 decimal places.



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3.

Joel has an MP3 player called the Jumble. The Jumble randomly selects a song for the user to listen to. Joel's Jumble has 2 classical songs, 13 rock songs, and 5 rap songs on it.

What is $P(\text{rock song or rap song})$?

If necessary, round your answer to 2 decimal places.

4.

You roll a fair 6-sided die.

What is $P(\text{not } 5)$?

If necessary, round your answer to 2 decimal places.

5.

Jake is going to call one person from his contacts at random. He has 30 total contacts. 16 of those contacts are people he met at school.

What is $P(\text{call a person from school})$?

If necessary, round your answer to 2 decimal places.

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6.

Greg has an MP3 player called the Jumble. The Jumble randomly selects a song for the user to listen to. Greg's Jumble has 6 classical songs, 7 rock songs, and 9 rap songs on it.

What is $P(\text{not a rap song})$?

If necessary, round your answer to 2 decimal places.

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7th Grade Math At-Home Learning

Thursday, April 2, 2020

1.

You roll a fair 6-sided die.

What is $P(\text{roll an even number})$?

If necessary, round your answer to 2 decimal places.

2.

March Madness Movies served 23 lemonades out of a total of 111 fountain drinks last weekend.

Based on this data, what is a reasonable estimate of the probability that the next fountain drink ordered is a lemonade?

Choose the best answer.

Choose 1 answer:

(A) $\frac{111}{111}$

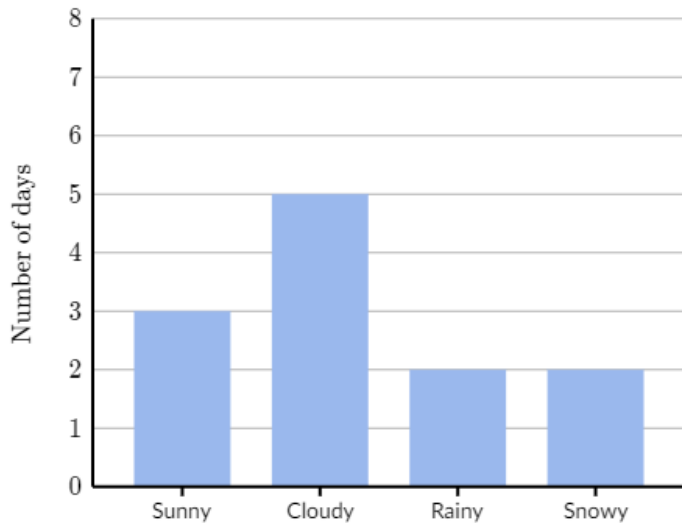
(B) $\frac{23}{111}$

(C) $\frac{88}{111}$

(D) $\frac{23}{88}$

3.

The following bar graph summarizes the weather conditions in Crayonton for each day this month so far.



Based on this data, what is a reasonable estimate of the probability that it is sunny tomorrow?

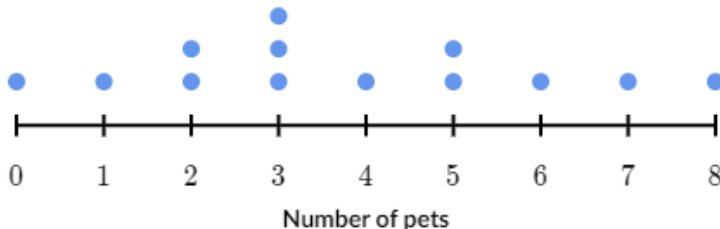
The winter clothing drive has received donations of 5 coats, 23 pairs of gloves, 19 scarves, and 3 hats so far.

Based on this data, what is a reasonable estimate of the probability that the next donation is *not* a pair of gloves?

4.

5.

The following dot plot shows how many pets each customer owned before entering Jeremy's Pet Store today. Each dot represents one customer.



Based on this data, what is a reasonable estimate of the probability that the next customer to enter Jeremy's Pet Store has exactly 3 pets?

6.

So far, 907 of the 1223 voters have agreed to the new amendment.

Based on this data, what is a reasonable estimate of the probability that the next voter does *not* agree to the new amendment?

Choose 1 answer:

(A) $\frac{907}{1223}$

(B) $\frac{316}{1223}$

(C) $\frac{316}{907}$

(D) $\frac{1223}{2130}$

7.

Tiny's Tattoo Parlor sold 389 tattoos this month. 43 of those tattoos were arm tattoos.

Based on this data, what is a reasonable estimate of the probability that the next customer does *not* get an arm tattoo?

Choose the best answer.

Choose 1 answer:

(A) $\frac{43}{389}$

(B) $\frac{43}{346}$

(C) $\frac{43}{43}$

(D) $\frac{346}{389}$

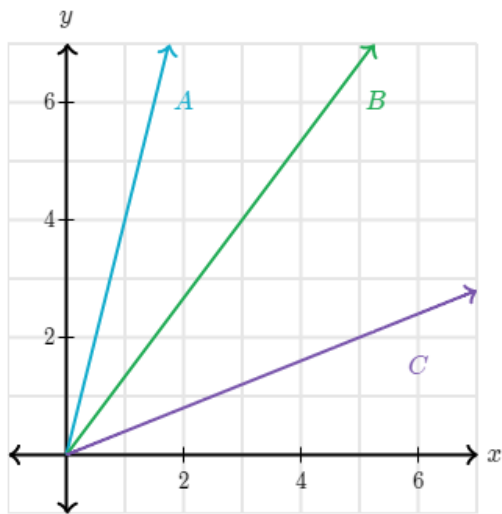
7th Grade Math At-Home Learning

Friday, April 3, 2020

1.

Lines *A*, *B*, and *C* show proportional relationships.

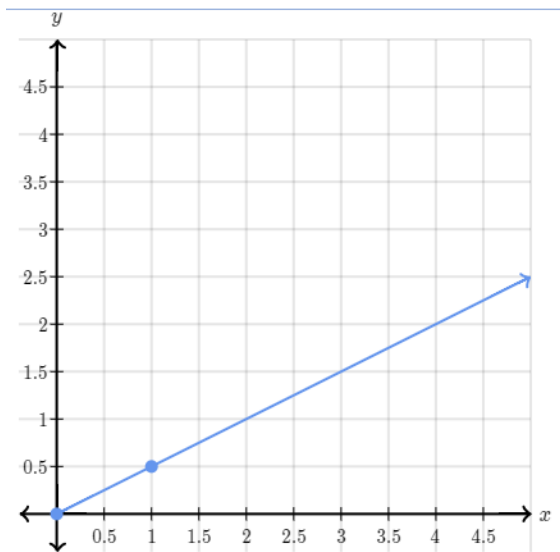
Which line has a constant of proportionality between *y* and *x* of $\frac{4}{3}$?



2.

The graph below shows a proportional relationship between *x* and *y*.

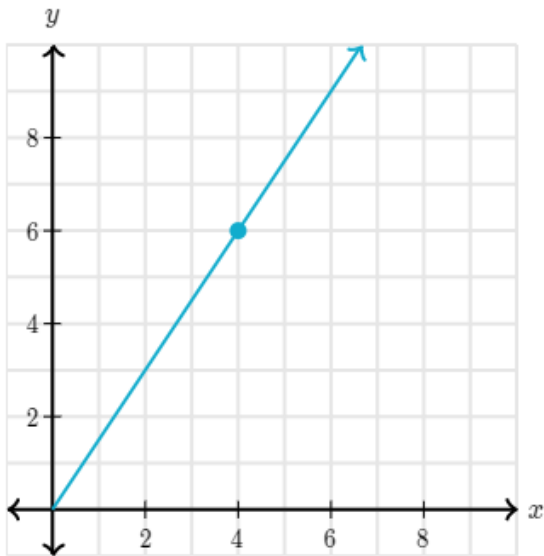
What is the constant of proportionality, $\frac{y}{x}$?



3.

The following graph shows a proportional relationship.

What is the constant of proportionality between y and x in the graph?



4.

Which line has a constant of proportionality between y and x of $\frac{5}{4}$?

