

Practice Test – Grade 7 Math Answer Key

Item Position	Item Type	TEKS Alignment	Maximum Number of Points	Correct Answer(s)
1	Multiple Choice	7.2.11.B	1	C
2	Multiple Choice	7.3.9.C	1	D
3	Multiple Choice	7.3.11.C	1	B
4	Hot Text	7.1.6.I	2	0.50, 0.20 See Appendix 1.1
5	Multiple Choice	7.2.10.A	1	B
6	Multiple Choice	7.3.9.C	1	A
7	Equation	7.2.11.A	1	9.5 See Appendix 1.2
8	Multiple Choice	7.4.12.C	1	D
9	Multiple Choice	7.3.9.A	1	B
10	Hotspot	7.2.4.A	2	(0, 0), (1, 30), (4, 120) See Appendix 1.3
11	Multiple Choice	7.1.6.H	1	A
12	Multiple Choice	7.3.5.B	1	B
13	Equation	7.2.3.B	1	-7 1/2 or -15/2 or -7.5 See Appendix 1.4
14	Multiple Choice	7.4.6.G	1	D
15	Multiple Choice	7.2.4.C	1	C
16	Multiple Choice	7.4.13.B	1	A
17	Multiple Select	7.2.4.D	2	B, E See Appendix 1.5
18	Multiple Choice	7.3.9.B	1	B
19	Multiple Choice	7.2.7.A	1	C
20	Multiple Choice	7.1.6.A	1	D
21	Table Match	7.4.12.A	2	Group A > Group B, Group A < Group B, Group A = Group B See Appendix 1.6
22	Multiple Choice	7.1.6.I	1	C
23	Multiple Choice	7.3.9.D	1	D
24	Inline Choice	7.2.10.B	2	an open, 8, right See Appendix 1.7
25	Multiple Choice	7.1.6.H	1	D
26	Multiple Choice	7.2.3.A	1	A

Item Position	Item Type	TEKS Alignment	Maximum Number of Points	Correct Answer(s)
27	Inline Choice	7.3.4.E	2	54.9, 2.1 See Appendix 1.8
28	Multiple Choice	7.2.3.B	1	C
29	Multiple Choice	7.3.5.A	1	A
30	Multiple Choice	7.2.7.A	1	D
31	Hot Text	7.3.9.B	2	200π , 300π See Appendix 1.9
32	Multiple Choice	7.4.12.A	1	C
33	Multiple Choice	7.2.4.B	1	B
34	Drag and Drop	7.3.5.C	2	25cm, 35cm See Appendix 1.10
35	Multiple Choice	7.4.6.G	1	A
36	Multiple Choice	7.2.11.A	1	A
37	Multiple Choice	7.3.9.A	1	C
38	Multiple Choice	7.2.4.D	1	B

Practice Test – Grade 7 Math

Appendix

1.1

A clothing store has these items on sale:

- 5 hats
- 10 jackets
- 15 pants
- 20 sweaters

A customer randomly selects one of the sale items. Complete each statement.

Move the correct answer to each box. Each answer may be used more than once. Not all answers will be used.

0.10 0.20 0.40 0.50 0.70 0.80

The probability that the customer will randomly select a sweater or a hat is .

The probability that the customer will randomly select a jacket is .

1.2

What is the solution to the equation $0.5x - 1.25 = 3.5$?

Enter your answer in the box.

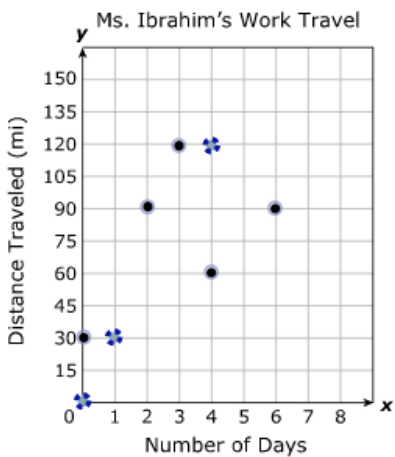
9.5				
←	→	↶	↷	✖
1	2	3		
4	5	6		
7	8	9		
	0			
.	-	$\frac{\square}{\square}$		

1.3

Ms. Ibrahim traveled a total of 150 miles for work in 5 days. She traveled the same distance for work each day.

Which three points lie on the line that represents the total distance in miles, y , she traveled for work in x days?

Select **THREE** correct answers.



1.4

What is the value of $-8\left(1\frac{1}{2}\right) + 2\left(2\frac{1}{4}\right)$?

Enter your answer in the box provided.

-7.5		
←	→	✖
1	2	3
4	5	6
7	8	9
	0	
.	-	$\frac{\square}{\square}$

What is the value of $-8\left(1\frac{1}{2}\right) + 2\left(2\frac{1}{4}\right)$?

Enter your answer in the box provided.

$-7\frac{1}{2}$		
←	→	✖
1	2	3
4	5	6
7	8	9
	0	
.	-	$\frac{\square}{\square}$

or

or

What is the value of $-8\left(1\frac{1}{2}\right) + 2\left(2\frac{1}{4}\right)$?

Enter your answer in the box provided.

$-\frac{15}{2}$		
←	→	✖
1	2	3
4	5	6
7	8	9
	0	
.	-	$\frac{\square}{\square}$

1.5

A jar contains red, green, and blue marbles. The table shows the percentage of each color of marble in the jar.

Color	Percentage of Marbles
Red	10%
Green	30%
Blue	60%

The jar contains 90 blue marbles. Which statements are true?

Select **TWO** correct answers.

There are 126 marbles in the jar.

There are 150 marbles in the jar.

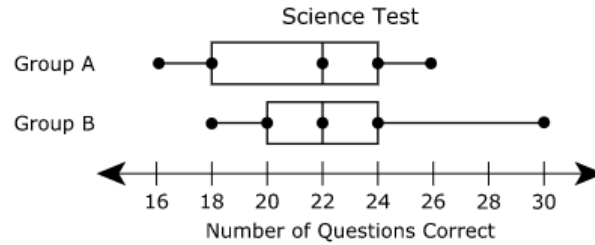
There are 19 red marbles and 57 green marbles in the jar.

There are 9 red marbles and 27 green marbles in the jar.

There are 15 red marbles and 45 green marbles in the jar.

1.6

Two groups of students completed a science test. The box plots show the numbers of questions the students in each group answered correctly on the test.



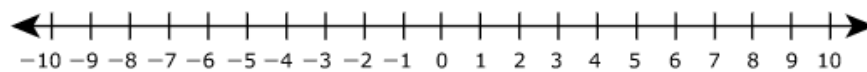
Determine whether each measure for Group A is equal to, greater than, or less than the measure for Group B.

Select the correct answer in each row.

Measure	Group A = Group B	Group A > Group B	Group A < Group B
Interquartile range	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Range	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Median	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

1.7

Complete the statements about the ray that represents the solution to $12 - 4x < -20$ on a number line.



Choose the correct answer from each drop-down box to complete the sentences.

The endpoint of the ray should be circle placed at .

The ray should point to the .

1.8

Maggie wants to plant flowers in a rectangular garden in her backyard:

- The length of the garden is 60 yards.
- The width of the garden is 7 feet.
- There are 3 feet in 1 yard.
- There are approximately 3.28 feet in 1 meter.

What are the approximate length and the width of Maggie's garden in meters?

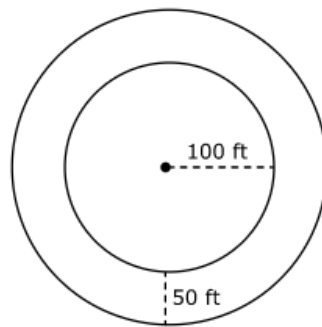
Choose the correct answer from each drop-down menu to complete the sentences.

The length of Maggie's garden is approximately meters.

The width of Maggie's garden is approximately meters.

1.9

Two circles with the same center are shown with measurements in feet.



What is the circumference of each circle in terms of π ?

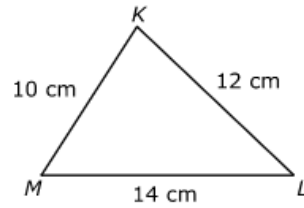
Move the correct answer to each box. Each answer may be used more than once. Not all answers will be used.

The circumference of the inner circle is feet.

The circumference of the outer circle is feet.

1.10

Triangle KLM and its side lengths in centimeters are shown.



Triangle KLM is enlarged to create similar triangle XYZ . What is the measurement in centimeters for each of the missing side lengths in triangle XYZ ?

Move the correct answer to each box. Not all answers will be used.

- 20 cm
- 25 cm
- 28 cm
- 32 cm
- 35 cm

