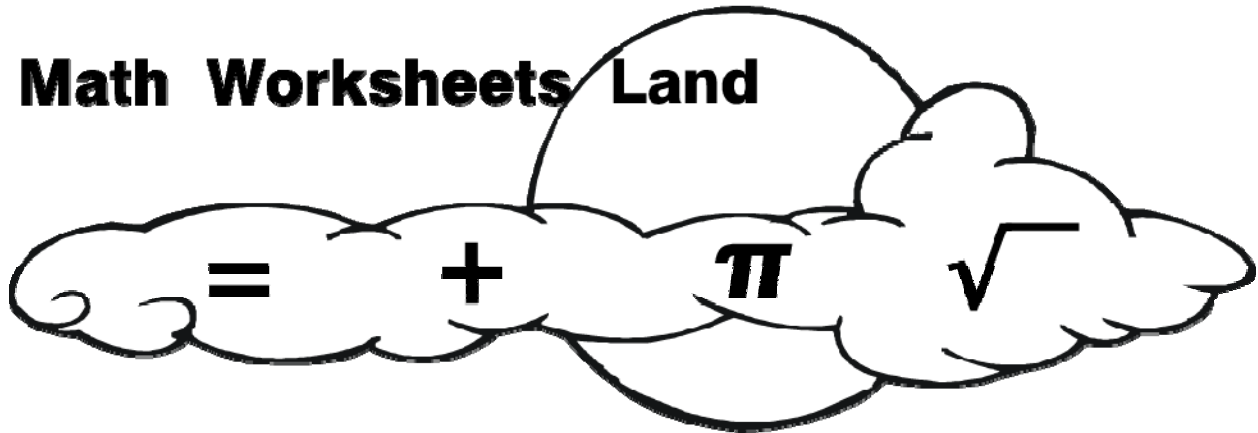


Grade 6 Core Curriculum Math Test
Math Common Core Sampler Test

Math Worksheets Land



The grade 6 sampler covers the most common questions that we see on the Common Core tests and test samples. We have reviewed over 40 different past exams and samples to create this material. We update this sampler as new questions come across our desk. The test covers the 20 most common questions.

Grade 6 Common Core Math Tests:

<http://www.mathworksheetsland.com/tests/grade6.html>

For Full Worksheets, Quizzes, and Homework Samples:

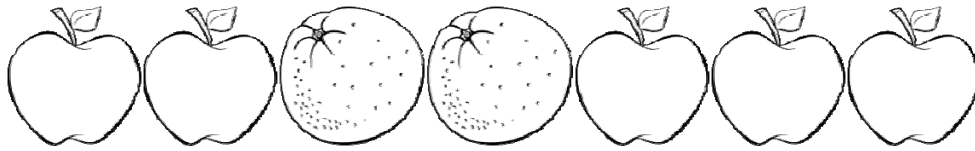
<http://www.mathworksheetsland.com/6/>



Name _____

Date _____

1. What is the ratio of oranges to apples?



A) 2 to 6

B) 5 to 2

C) 2 to 5

D) 5 to 6

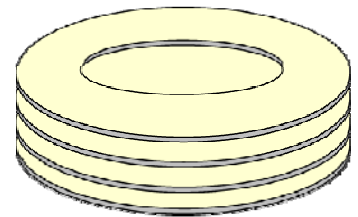
2. A fast food restaurant ordered plates. Each package contains 18 stacks of plates, and there are 9 plates in each stack. How many plates are there in 6 packages?

A) 162

B) 972

C) 172

D) 54



3. Katrina and Amanda are studying in the same class. On Monday, Katrina solved 35 math problems and Amanda solved 21 math problems. On Wednesday, Katrina solved 16 math problems and Amanda solved 20. On Thursday, Katrina solved 40 math problems and Amanda solved 24. On Saturday, Katrina solved 18 math problems and Amanda solved 24 math problems. On which day did Katrina and Amanda have the same ratio of problems solved as Monday?

A) Tuesday

B) Wednesday

C) Thursday

D) Saturday



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4. Linda's school held a walk-a-thon. The teams started walking at 9:20 am. They walked for 10 hours and 50 minutes. What time was it when the teams finished walking?



A) 7:30pm

B) 8:10pm

C) 8:05pm

D) 7:50pm

5. Evaluate: $8^4 - 6^4$

A) 2,800

B) 3,471

C) 2,600

D) 3,800

6. A truck driver has \$424 to pay for bridge tolls. If the toll is \$4 to cross the bridge, how many times can the driver cross the bridge?

A) 104

B) 96

C) 106

D) 102

7. David purchased some cookies at the cost of 5 for \$4 and sold them at 4 for \$5. David made a profit of \$90 in total. How many cookies did David purchase and sell to make that much money?

A) 45

B) 450

C) 100

D) 200



Name _____

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8. Which value (in inches) below is equal to 9 feet 3 inches?

- A) 121 B) 111 C) 120 D) 108

9. What is $1,311 \div 23$?

- A) 57 B) 58 C) 42 D) 28

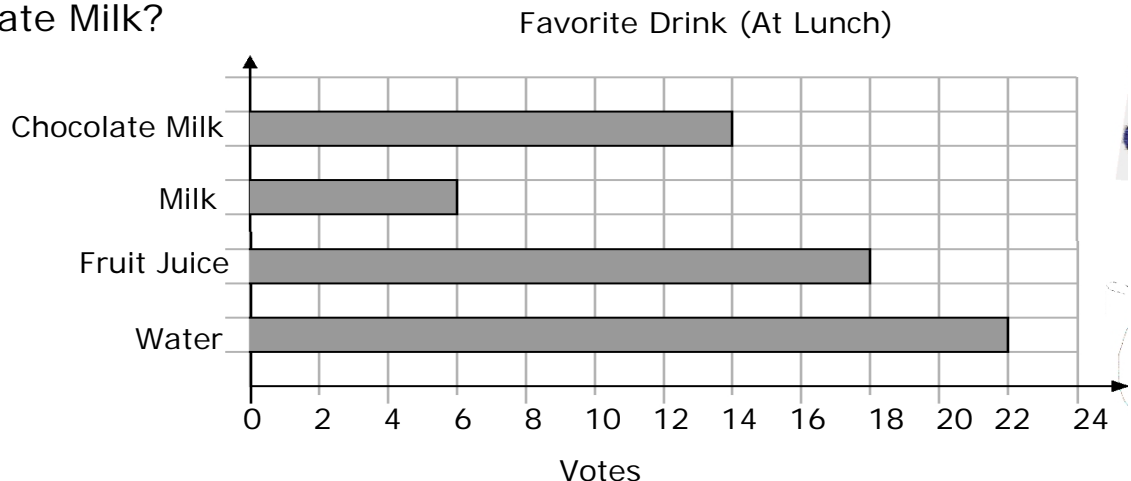
10. Grade 6 students received the following scores on a recent math test. Find the median of the data set:

97, 59, 64, 65, 52, 50, 15, 62, 55, 60, 90



- A) 50 B) 59 C) 60 D) 62

11. Mr. Peter did a survey in your class to know your classmates' favorite lunchtime drinks. The data is displayed by the following bar chart. How many more students voted for Fruit Juice than Chocolate Milk?



- A) 2 B) 7 C) 4 D) 16



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12. What is the mode of the data set? 9, 2, 8, 2, 9, 9, 8, 9

- A) 6 B) 8 C) 2 D) 9

13. On your Grade 5 Annual Examination, you got an 84% overall score. You also received your individual subject scores as you can see below. Your science grade was not clearly visible on your report card. Your mom asks what your science score was. What do you tell her?

Math	95	English	85
Geography	90	Computer	80
Science	?		

- A) 70 B) 84 C) 85 D) 81

14. Stanley sent 12 text messages in January, 18 text messages in February, 24 text messages in March, 30 text messages in April, and 36 text messages in May. If this pattern continues, how many text messages will Stanley send in August?

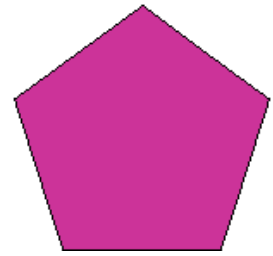
- A) 40 B) 44
C) 54 D) 60



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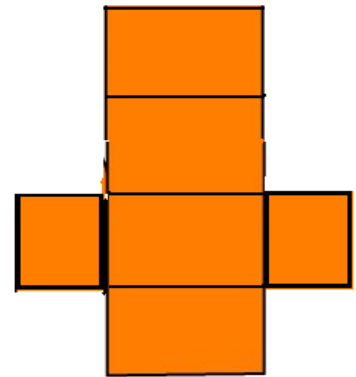
15. What the perimeter of the following figure?
Assume length of each side is x .



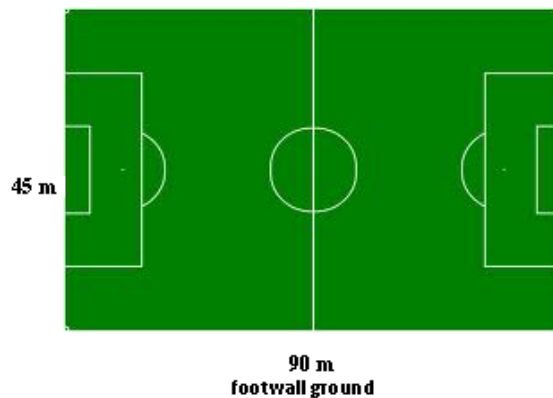
- A) x B) x^2
C) $5x$ D) $6x$

16. Which 3-D shape will this net make?

- A) Cube B) Rectangular Prism
C) Cylinder D) Cone



17. A soccer field is 90m long and 45m wide. What is the area of the field?

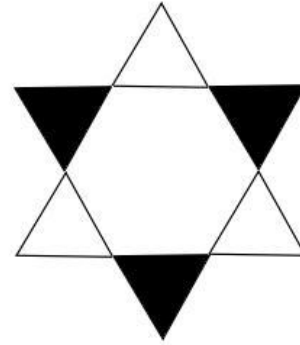


- A) $4,050 \text{ m}^2$ B) $2,025 \text{ m}^2$
C) 270 m^2 D) 135 m^2

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18. The following star is made up of two equilateral triangles with 3cm sides. What is the total perimeter of the star?



- A) 18 cm B) 36 cm
C) 9 cm D) 12 cm

19. Simplify the expression: $2(4x - 3) - 7(x + 1)$

- A) $x - 13$ B) $15x - 13$
C) $x - 1$ D) $15x - 1$

20. Which value for x would make the inequality true?

$$23 < x < 32$$

- A) 23 B) 31
C) 36 D) 91

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Bubble Sheet for Grade 6 Test Sampler

1. (a) (b) (c) (d)

12. (a) (b) (c) (d)

2. (a) (b) (c) (d)

13. (a) (b) (c) (d)

3. (a) (b) (c) (d)

14. (a) (b) (c) (d)

4. (a) (b) (c) (d)

15. (a) (b) (c) (d)

5. (a) (b) (c) (d)

16. (a) (b) (c) (d)

6. (a) (b) (c) (d)

17. (a) (b) (c) (d)

7. (a) (b) (c) (d)

18. (a) (b) (c) (d)

8. (a) (b) (c) (d)

19. (a) (b) (c) (d)

9. (a) (b) (c) (d)

20. (a) (b) (c) (d)

10. (a) (b) (c) (d)

11. (a) (b) (c) (d)



Name _____

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Answer Key for Grade 6 Test Sampler

1. a b c d

12. a b c d

2. a b c d

13. a b c d

3. a b c d

14. a b c d

4. a b c d

15. a b c d

5. a b c d

16. a b c d

6. a b c d

17. a b c d

7. a b c d

18. a b c d

8. a b c d

19. a b c d

9. a b c d

20. a b c d

10. a b c d

11. a b c d



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Detailed Answer Key for Grade 6 Test Sampler

1. Ans. C

2. Ans. B

Number of plates = $18 \times 9 \times 6 = 972$

3. Ans. C

Ratio on Monday = $35:21 = 5:3$,

Ratio on Thursday = $40:24 = 5:3$

4. Ans. B

$9:20 \text{ Hrs} + 10:50 = 20:10 \text{ Hrs} = 8:10\text{pm}$

5. Ans. A

$8^4 - 6^4 = 4096 - 1296 = 2800$

6. Ans. C

7. Ans. D

$5/4 = 1.25$ $4/5 = 0.8$ Gain per cookies = 0.45

Number of cookies = $90/0.45 = 200$ batches



Name _____

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8. Ans. B 111

1 foot = 12 inches. Hence

9 feet 3 inches = $108 + 3$ inches = 111 inches

9. Ans A

10. Ans. C

First arrange the data set in increasing order. There are 11 items. The value of middle item (6th item) is the median.

11. Ans C

12. Ans D

Mode is most frequently observed value appearing in the data set.

13. Ans. A

14. Ans. C

15. Ans. C

16. Ans. B



Name _____

Date _____

17. Ans. A

Area of rectangular field = length x width = 90×45

18. Ans D

Each side of the 3 cm triangle is broken into 3 equal parts. This means that each side of the smaller equilateral triangles are 1 cm each. Each triangle has 2 external exposed sides.

$6 \text{ triangles} \times 1 \text{ cm sides} \times 2 \text{ exposed sides} = 12 \text{ cm}$

20. Ans B

The inequality $23 < x < 32$ means x is more than 23 but less than 31. Hence x will be any number from 24 to 31 only.

