

Name Class Date

1. How do you write this number using digits?

Ninety thousand six hundred eight

a) 90,601

b) 90,068

c) 80,608

d) 90,608

2. What is the value of the 4 in the number 549,632

a) ten thousands

b) 40,000

c) hundred thousands

d) 400,000

- 3.

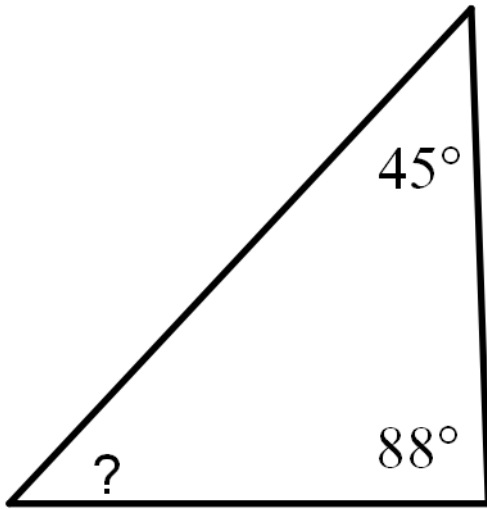
$$8 - 2\frac{4}{7} =$$

a) $5\frac{3}{7}$

b) $6\frac{3}{7}$

c) $5\frac{4}{7}$

4.



a) 57

b) 133

c) 53

d) 47

5. What number is 20% of 35?

a) 7

b) 5

c) 10.5

d) .07

6. What is the reciprocal of $2\frac{1}{4}$?

a) $\frac{4}{9}$

b) $\frac{18}{8}$

c) $\frac{9}{4}$

d) $2\frac{2}{8}$

7. Find the HCF of 40 and 60?

a) 10

b) 120

c) 20

d) 30

8. change $\frac{3}{4}$ to percentage

a) 40%

b) 34%

c) 75%

d) 30%

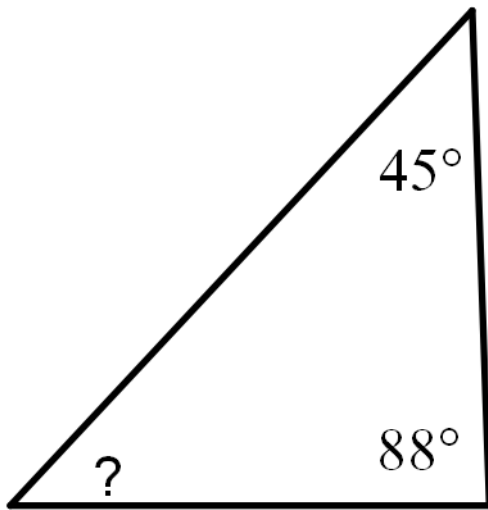
9. The blue whale can grow to over 170,000 kg. What is that mass in tonnes?
- a) 374,000 tonnes b) 1.7 tonnes
- c) 170 tonnes d) 170,000,000 tonnes
10. A package of 50 cheese slices weights 0.5 kilograms. What is the mass **in grams** of each slice?
- a) 100 grams b) 500 grams
- c) 0.5 grams d) 10 grams
11. On Monday, Ryan Junior went to see a movie. The movie started at 7:30. The movie was 1 hour and 30 minutes long. What time did the movie end?
- a) 8:30 b) 9:30
- c) 10:00 d) 9:00



Flavia invited friends to her house for lunch. She asked them to arrive at 2:00 p.m. Elsie decided to walk to her house. It will take her 1 hour and 30 minutes. What time should she leave home to arrive on time?

- a) 12:30 AM b) 12:30 PM
c) 12:15 PM d) 1:30 PM

13.



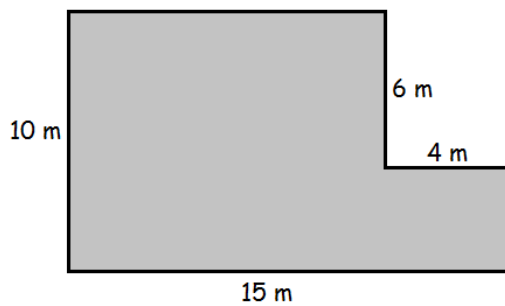
a) 47

b) 57

c) 133

d) 53

14.



Find the perimeter

a) 25cm

b) 35cm

c) 100cm

d) 50cm

15. Salim is a carpenter. He sold a chair for Ksh. 900 making a profit of Ksh. 250. Find the cost price of the chair.

a) Ksh 1150

b) Ksh 900

c) Ksh 750

d) Ksh 650

16. An engineer spent Ksh. 24,500 to assemble a computer. He sold it at a profit of Ksh. 8,250. At what price did he sell it ?

a) 32,750

b) 32,850

c) 30,950

d) 31,950

17. Give the next term in the sequence 5, 7, 11, 13, ____

- | | |
|-------|-------|
| a) 15 | b) 24 |
| c) 17 | d) 22 |

18. What is 18 500 rounded off to the nearest thousand?

- | | |
|-----------|-----------|
| a) 18 600 | b) 18 500 |
| c) 19 000 | d) 18 000 |

19. 11, 13, 17, __, 23

What is the missing number in the above prime number sequence?

- | | |
|-------|-------|
| a) 20 | b) 21 |
| c) 19 | d) 18 |

20. $\frac{2}{5}, \frac{1}{4}, \frac{1}{2}, \frac{3}{10}$

Arrange the fractions in ascending order.

- | | |
|----------------------------------------------------------|----------------------------------------------------------|
| a) $\frac{1}{2}, \frac{2}{5}, \frac{1}{4}, \frac{3}{10}$ | b) $\frac{3}{10}, \frac{2}{5}, \frac{1}{4}, \frac{1}{2}$ |
| c) $\frac{1}{2}, \frac{1}{4}, \frac{2}{5}, \frac{3}{10}$ | d) $\frac{1}{4}, \frac{3}{10}, \frac{2}{5}, \frac{1}{2}$ |

21. 0005 hours

State the time in 12-hour system.

- | | |
|---------------|---------------|
| a) 12:05 a.m. | b) 12:05 p.m. |
| c) 1:05 p.m. | d) 5:00 a.m. |

22. Subtract 12 345 from 850 190

- | | |
|------------|------------|
| a) 837 485 | b) 837 845 |
| c) 827 485 | d) 827 845 |

23. $8 \times 8 \times 2$

a) 122

b) 126

c) 133

d) 128

24. $543 - 397$

a) 199

b) 147

c) 145

d) 146

25. The value of $300 \times 4 \times 0 \times 10$ is ____

a) 0

b) 1200

c) 120000

d) 12000

26. Round off 73 999 to the nearest hundred.

a) 74 000

b) 73 000

c) 73 100

d) 74 100

27. What is the value of of the digit in red:

67**6**2

a) 60

b) 900

c) 9000

d) 9

28. How would you write twenty-one thousand, six hundred fifty-six in standard form?

a) 21,665

b) 21,566

c) 21,656

d) 2,165

29. What percent of 25% of 60?

a) 1.5

b) 15%

c) 240%

d) 24%

30. What is 25% as a fraction?

- a) $\frac{1}{4}$
- b) $\frac{1}{2}$
- c) $\frac{1}{5}$
- d) $\frac{1}{25}$

31. There are 20 questions in a test and you get 75% correct. How many questions do you get right ?

- a) 15
- b) 10
- c) 5
- d) 12

32. Simplify the following fraction:

$$\frac{16}{20} =$$

- a) $\frac{4}{5}$
- b) $\frac{8}{10}$
- c) $\frac{16}{20}$
- d) $\frac{1}{2}$

33. Change the following mixed number into an improper fraction:

$$3 \frac{4}{5} =$$

- a) it already is an improper fraction
- b) $\frac{12}{5}$
- c) $\frac{32}{5}$
- d) $\frac{19}{5}$

34. Change the following improper fraction into a mixed number:

$$\frac{34}{3}$$

- a) $10 \frac{1}{3}$
- b) $12 \frac{1}{3}$
- c) $11 \frac{1}{3}$
- d) it already is a mixed number

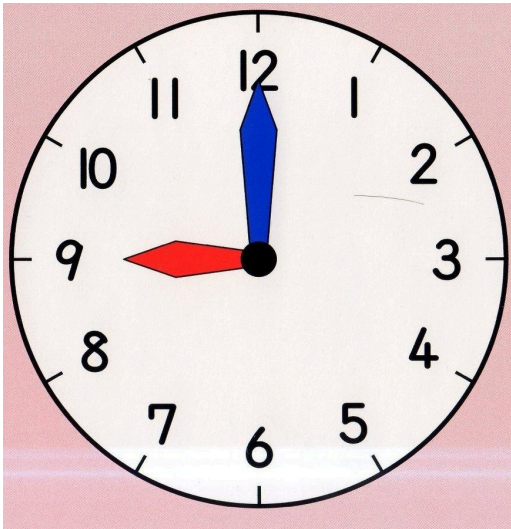
35. $6.1 + 1.2$

- a) 7.2
- b) 7.3
- c) 7.5
- d) 7.4

36. 6.70×10

- a) 6.77
- b) 6.7
- c) 67
- d) 6.17

37.



When do you have Music?

- a) At twelve o'clock
- b) At nine o'clock
- c) At half past nine
- d) At one o'clock

38.



What time is it?

- a) It is eleven o'clock.
- b) It is eight o'clock.
- c) It is ten o'clock.
- d) It is nine o'clock.

39. Who created math?

- a) The Ancient Greeks and the Pythagoreans
- b) Albert Einstein
- c) The Ancient Greeks
- d) The Pythagoreans

40. Euclid's theorem consisted of what parts?

- a) proof, axiom, and theorem
- b) definition and proof
- c) definition, axiom, theorem, and proof
- d) proof, axiom, and definition

41. When did Ahmes present the first approximation of pi as 3.16?

- a) 300 BC
- b) 1850 BC
- c) 800 BC
- d) 2000 BC

42. Why was math created?

- a) To help us travel
- b) To help us measure the weight of an elephant
- c) To help us understand everything around us
- d) To help us measure the White House

43. When was math created?

- a) 2020
- b) 800 BC
- c) 2017
- d) 300 BC

44. Where was math created?

- a) Mesopotamia
- b) The Bermuda Triangle
- c) Brazil
- d) Rome, Italy

45. Why was the Pythagorean Theorem created?

- a) Trick question, the Pythagorean theorem wasn't ever created
- b) Pythagoras wanted to create his own secret theorem
- c) Albert Einstein got bored one day and decided to create the Pythagorean Theorem
- d) Pythagoras believed that the hypotenuse in a right triangle is equal to the sum of the other two sides.

46. Who created Thales' Theorem?

- a) Pythagoras
- b) Thales
- c) Archimedes
- d) Albert Einstein

47. In India, what does "lakh" mean?
- a) 10000
 - b) 100
 - c) 1000
 - d) 100000
48. Where can math be used today?
- a) all of the above
 - b) cooking
 - c) pitching a baseball
 - d) shooting a basketball
49. What number does 9 lakh represent?
- a) 9000
 - b) 90
 - c) 900
 - d) 900000
50. Thales was considered the first true mathematician.
- a) True
 - b) False
51. What was the first approximation of pi?
- a) 3.61
 - b) 3.16
 - c) 1.36
 - d) 6.31
52. What continent is Mesopotamia located in?
- a) Egypt
 - b) Asia
 - c) Africa
 - d) Florida
53. In the video, what did one tally mark stand for?
- a) a season
 - b) a person
 - c) a stone
 - d) a tree
54. In the video, how many tally marks did a large cone stand for?
- a) 1
 - b) 10
 - c) 60

55. In the pythagorean theorem, what is the formula to calculate the hypotenuse in a right triangle?

a) $a^2+b^2+c^2$

b) $a^2+b^2=c^2$

c) $a^2-b^2+c^2$

d) $a^2=b^2+c^2$