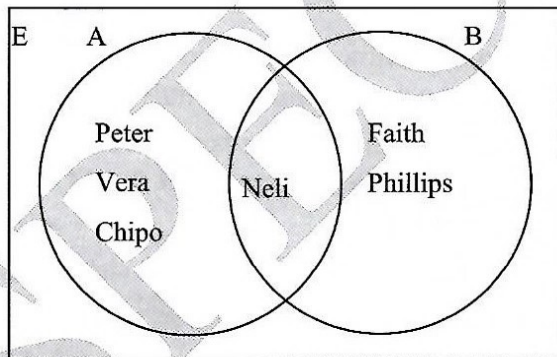


- 1 Add 457 364 to 75 396.
A 532 760
B 532 750
C 522 760
D 522 750
- 2 In Roman numerals, 75 is the same as ...
A LXXIII.
B LXXV.
C XXXXXXXXV.
D XXVCV.

- 3 Prime factors of 24 are ...
A 2 and 3.
B 2 and 4.
C 3 and 6.
D 3 and 8.

- 4 $723\,942 - 351\,671 =$
A 472 371
B 472 271
C 372 371
D 372 271

- 5 The diagram below shows sets A and B.



List the set $A \cup B$.

- A {Neli}
B {Faith, Phillips}
C {Peter, Vera, Chipo}
D {Neli, Faith, Phillips, Peter, Vera, Chipo}
- 6 Mrs Kongole bought 260 bananas. If she sold 102 bananas, how many bananas were not sold?
A 148
B 152
C 158
D 185

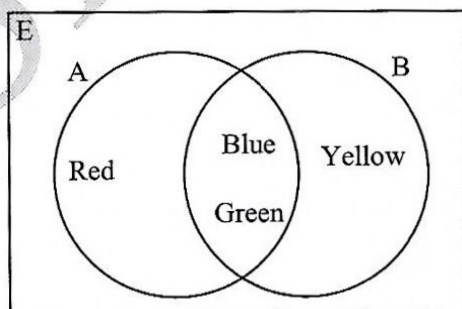
- 7 Mr Kasoka bought 25.75 metres of wire. He cut off 12.25 metres so that he could fence his garden. How many metres of wire remained?
- A 38.70 metres
 B 38.01 metres
 C 37.90 metres
 D 13.50 metres

- 8 The table below shows the favourite fruits of learners in a class.

Fruits	Bananas	Oranges	Lemons	Guavas
Frequency	11	10	5	14

Which fruit is liked most?

- A Orange
 B Lemon
 C Guava
 D Banana
- 9 If 10 is added to x and the result is 32, what is the value of x ?
- A 320
 B 42
 C 32
 D 22
- 10 Express the ratio 8 : 16 : 32 in its lowest terms.
- A 1 : 2 : 4
 B 1 : 2 : 3
 C 1 : 2 : 2
 D 1 : 2 : 1
- 11 If a construction company sells a house at \$100 000, how much will 4 houses of the same type cost?
- A \$25 000
 B \$99 996
 C \$100 004
 D \$400 000
- 12 The Venn diagram below shows favourite colours for learners in class A and class B.



The set $A \cap B$ is ...

- A {Blue, Geen, Red, Yellow}.
 B {Green, Yellow}.
 C {Blue, Green}.
 D {Blue, Red}.

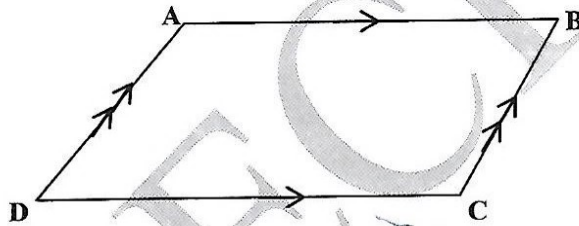
- 13 $61.111 + 200.3 + 0.004 =$
A 261.415
B 261.118
C 63.415
D 63.118

14
$$\begin{array}{r} 258 \\ \times 24 \\ \hline \end{array}$$

- A 5 162
B 5 192
C 6 162
D 6 192

- 15 What is the next number in the sequence below?
400, 200, 100 ...
A 90
B 80
C 60
D 50

- 16 Look at the diagram below.

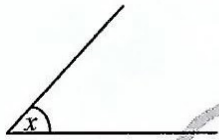


The line parallel to AB is ...

- A AD.
B BC.
C DC.
D AC.
- 17 $286 \div 12 =$
A 23 remainder 10
B 23 remainder 6
C 23 remainder 5
D 23 remainder 4

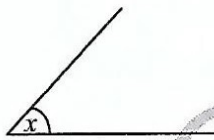
- 18 The mass of a bag of rice was 25.46kg. This mass expressed to 1 decimal place is ...
A 26.0kg.
B 25.5kg.
C 25.4kg.
D 25.0kg.

- 19 Convert 38 to a number in base five.
- A 123_{five}
 B 213_{five}
 C 231_{five}
 D 301_{five}
- 20 A piece of land was bought at K32 000.00 and sold at K16 000.00. Calculate the loss.
- A K2 000.00
 B K16 000.00
 C K32 000.00
 D K48 000.00
- 21 Arrange the numerals VI, X, XV, IX in order from the smallest to the largest.
- A XV, X, IX, VI
 B IX, VI, X, XV
 C VI, IX, X, XV
 D X, VI, IX, XV
- 22 The angle marked x below is ...



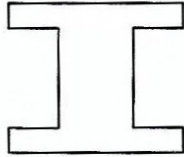
- A an acute angle.
 B an obtuse angle.
 C a right angle.
 D a reflex angle.
- 23 If 9 books cost K54.00, how many books of the same type will cost K96.00?
- A 36
 B 16
 C 14
 D 12
- 24 Convert 0.007 to a common fraction.
- A $\frac{7}{10}$
 B $\frac{7}{100}$
 C $\frac{7}{1\ 000}$
 D $\frac{7}{10\ 000}$

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 B $\frac{7}{100}$
 C $\frac{7}{1\ 000}$
 D $\frac{7}{10\ 000}$

- 31 How many lines of symmetry does the shape below have?



- A 0
B 1
C 2
D 4
- 32 Divide $\frac{1}{9}$ by $\frac{7}{18}$.
- A $\frac{3}{7}$
B $\frac{8}{27}$
C $\frac{2}{7}$
D $\frac{18}{63}$
- 33 If 54 oranges are shared among Peter, Joshua and Moses in the ratio 2 : 3 : 4, how many oranges will Joshua get?
- A 12
B 18
C 24
D 27
- 34 Express 18 as a product of its prime factors.
- A $1 \times 2 \times 3 \times 3$
B $2 \times 3 \times 3$
C 2×9
D 3×6
- 35 Express $\frac{3}{8}$ as a decimal.
- A 0.360
B 0.365
C 0.370
D 0.375
- 36 Which of the following statements is true about an Isosceles triangle?
- A All angles are equal.
B All sides are equal.
C Two angles are equal.
D Two sides are **not** equal.

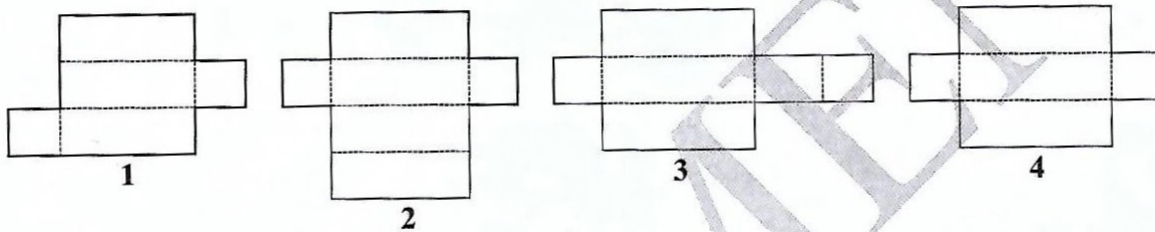
25 $(250 \times 4) \div 5 =$

- A 2 000
- B 500
- C 200
- D 50

26 Find the Lowest Common Multiple of 6, 12 and 18.

- A 36
- B 29
- C 18
- D 12

27 Which one of the following is a net of a cuboid?.



- A 1
- B 2
- C 3
- D 4

28 Mr Zumani got a loan of K5 000.00 at the rate of 8% per annum for 10 years . Find the interest he paid.

- A K400 000.00
- B K40 000.00
- C K4 000.00
- D K400.00

29 Round off 48 573 to the nearest 1000.

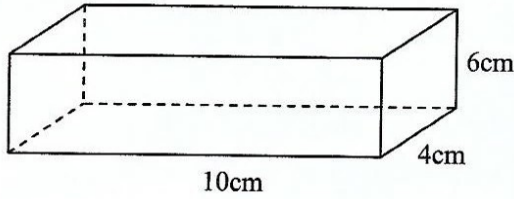
- A 48 000
- B 48 570
- C 48 600
- D 49 000

30 13 boys shared 104 fruits equally. How many fruits did each boy get?

- A 8
- B 18
- C 91
- D 117

- 37 The average mass of 4 children is 20kg. What is their total mass?
- A 5kg
 - B 16kg
 - C 24kg
 - D 80kg

- 38 The diagram below is a cuboid of length 10cm, breadth 4cm and height 6cm.



Calculate the total length of its edges.

- A 70cm
 - B 80cm
 - C 90cm
 - D 100cm
- 39 $\frac{7}{13} \times 65 =$
- A 5
 - B 35
 - C 42
 - D 455
- 40 How many pieces of string each measuring $2\frac{1}{2}$ metres can be cut from a string of length 20 metres?
- A 8
 - B $18\frac{1}{2}$
 - C $22\frac{1}{2}$
 - D 50
- 41 Find 30% of 320.
- A 9 600
 - B 350
 - C 106
 - D 96
- 42 Convert $\frac{17}{20}$ to a percentage.
- A 85%
 - B 80%
 - C 68%
 - D 60%

- 43 Hamasumo got 28 out of 40 marks in a test, express the marks he got as a percentage.
- A 40%
 - B 50%
 - C 60%
 - D 70%
- 44 $1\frac{2}{5} + 2\frac{1}{4} =$
- A $3\frac{13}{20}$
 - B $3\frac{3}{20}$
 - C $2\frac{8}{20}$
 - D $2\frac{5}{20}$
- 45 Change 72_{eight} to base ten.
- A 72_{ten}
 - B 70_{ten}
 - C 58_{ten}
 - D 54_{ten}
- 46 Order the integers below from the largest to the smallest.
+5, 0, -10, +2, -8
- A +5, +2, 0, -8, -10
 - B -10, +5, 0, +2, -8
 - C +5, +2, 0, -10, -8
 - D -10, -8, +5, +2, 0
- 47 Find y , given that $3 + 2y \geq 11$.
- A $y \geq 7$
 - B $y \geq 4$
 - C $y \leq 7$
 - D $y \leq 4$
- 48 A motorist travelled a distance of 150km in $2\frac{1}{2}$ hours. Calculate his speed.
- A 375km/h
 - B 80km/h
 - C 60km/h
 - D 30km/h
- 49 $2 \times 2 \times 2 \times 2 \times 2$ can also be written as ...
- A 5^2 .
 - B 2^5 .
 - C 5×2 .
 - D 2×5 .

50 Arrange the following fractions from the biggest to the smallest:

$$\frac{1}{5}, \frac{1}{3}, \frac{7}{3}, \frac{8}{5}$$

A $\frac{8}{5}, \frac{7}{3}, \frac{1}{3}, \frac{1}{5}$

B $\frac{1}{5}, \frac{1}{3}, \frac{8}{5}, \frac{7}{3}$

C $\frac{7}{3}, \frac{8}{5}, \frac{1}{3}, \frac{1}{5}$

D $\frac{8}{5}, \frac{1}{5}, \frac{7}{3}, \frac{1}{3}$

51 Which of the following statements is correct?

A $+1 < -2$

B $-1 > -4$

C $+5 < -6$

D $-3 > +2$

52
$$\begin{array}{r} 3\ 3\ 1\ 1_{\text{five}} \\ -3\ 4\ 1_{\text{five}} \\ \hline \end{array}$$

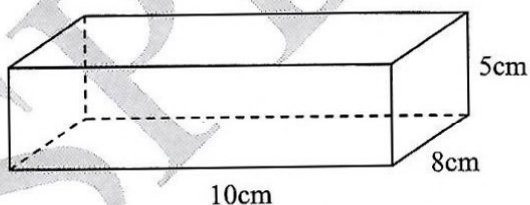
A 4202_{five}

B 3652_{five}

C 2970_{five}

D 2420_{five}

53 Calculate the total surface area of the cuboid shown below.



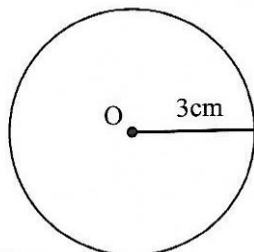
A 400cm^2

B 340cm^2

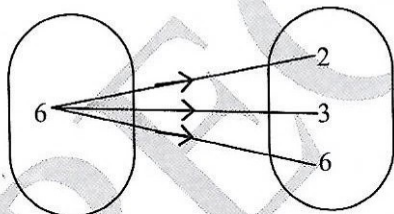
C 85cm^2

D 80cm^2

- 54 Calculate the area of the Circle shown below. [Take $\pi = 3.14$]

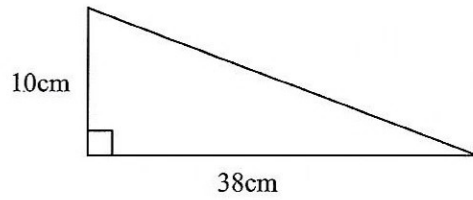


- A 9.42cm
 B 18.84cm
 C 27.26cm
 D 28.26cm
- 55 A book costing K20.00 is sold at K15.00. Find the percentage loss.
 A 35%
 B 30%
 C 25%
 D 5%
- 56 Find the median of 4, 10, 7, 3 and 6.
 A 6
 B 7
 C 10
 D 30
- 57 The mapping shown in the diagram below is a ...



- A one-to-one mapping.
 B one-to-many mapping.
 C many-to-one mapping.
 D many-to-many mapping.
- 58 Evaluate 3^4 .
 A 81
 B 64
 C 12
 D 7
- 59 Find the number of subsets of set $A = \{a, e, i, o, u\}$.
 A 5
 B 10
 C 25
 D 32

60 Find the area of the triangle given below.



- A 380 cm²
- B 190 cm²
- C 48 cm²
- D 24 cm²

STOP! PLEASE CHECK ALL YOUR WORK CAREFULLY

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