1 460 + 148 + 5 =

(a) 307 (b) 503 (c) 513 (d) 613

2 1740 - 906

(a) 834 (b) 844 (c) 1234 (d) 1246

3 8032 ÷ 4 =

(a) 28 (b) 208 (c) 2008 (d) 2080

4 105 x 6 =

(a) 600 (b) 603 (c) 630 (d) 6030

5 Which set of numbers are prime factors of 6?

(a) {1,3} (b) {2,3} (c) {1,2,3} (d) {1,2,3,6}

6 What is 867 rounded to the nearest ten?

(a) 870 (b) 880 (c) 890 (d) 900

7 How is 20040 written in words?

(a) Two million and forty (b) Twenty thousand and forty

(c) Two thousand and four (d) Twenty thousand and four

8 How many times can 6 be taken from 126 and have nothing remaining?

(a) 21 (b) 120 (c) 132 (d) 756

Items **9** , **10** and **11** are based on the number **2 3 4 0 .**

9 What is the value of the digit 2?

(a) 2 (b) 20 (c) 2000 (d) 20000

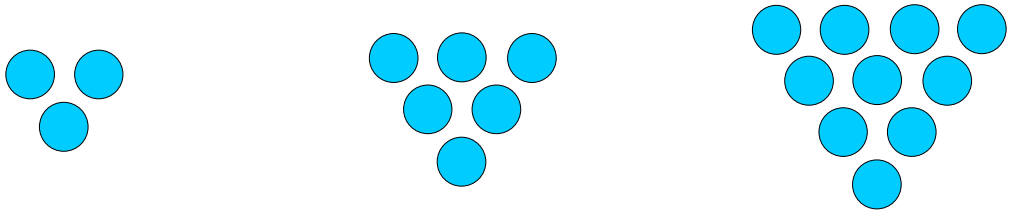
10 Which numeral is in the hundreds place?

(a) 0 (b) 2 (c) 3 (d) 4

11 How much less than the value of the digit 3 is the value of the digit 4?

(a) 1 (b) 10 (c) 26 (d) 260

Study the pattern of circles below, to answer question **12** .



12 How many circles are needed to make the 4^{th} pattern?

(a) 4 (b) 9 (c) 13 (d) 15

13 $4^3 =$

(a) 4 x 4 x 4 (b) 4 + 4 + 4 (c) 3 x 3 x 3 x 3 (d) 3 + 3 + 3 + 3

14 Which is the largest of these fractions? $\frac{2}{3}$, $\frac{2}{5}$, $\frac{7}{9}$ and $\frac{5}{6}$

(a) $\frac{2}{3}$ (b) $\frac{2}{5}$ (c) $\frac{5}{6}$ (d) $\frac{7}{9}$

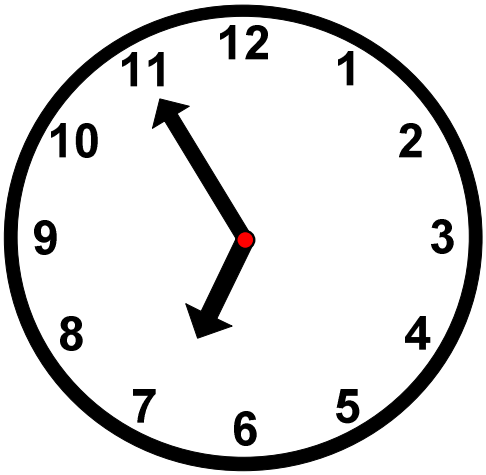
15 $\frac{7}{3} \div 4\frac{1}{2} =$

(a) $\frac{14}{27}$ (b) $\frac{2}{21}$ (c) $\frac{27}{14}$ (d) $\frac{21}{2}$

16 If 50% of a number is 40, what is 75% of the number?

(a) 15 (b) 25 (c) 30 (d) 60

17 The time on the clock shown below is



(a) 6:55 (b) 7:11 (c) 7:55 (d) 11:07

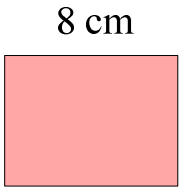
18 Which decimal means the same as $\frac{1}{5}$?

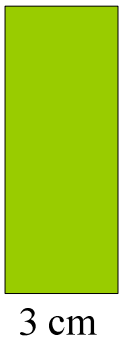
(a) 0.2 (b) 0.3 (c) 0.4 (d) 0.5

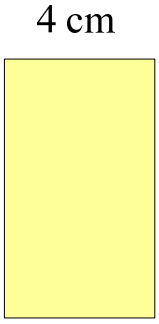
19 0.4 x 3000=

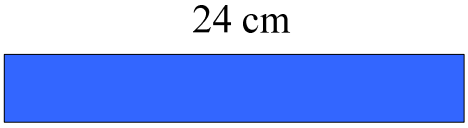
(a) 1.200 (b) 120 (c) 1200 (d) 12000

20 Which of the following shapes has a perimeter of 32 cm?

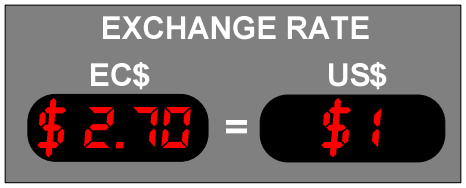
(a) 

(b) 

(c) 

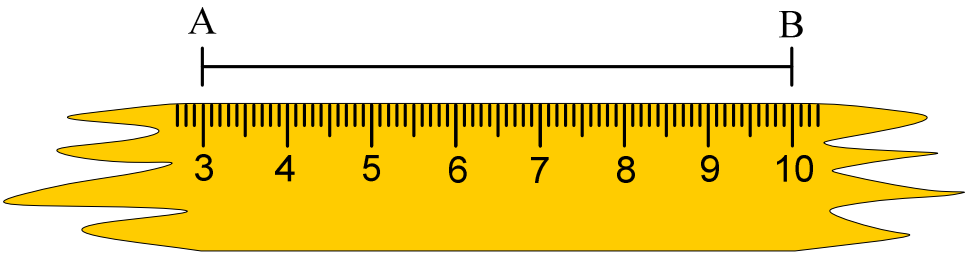
(d) 

21 Using the exchange rate shown below, how much money will a tourist receive when he changes US$300 to EC$?



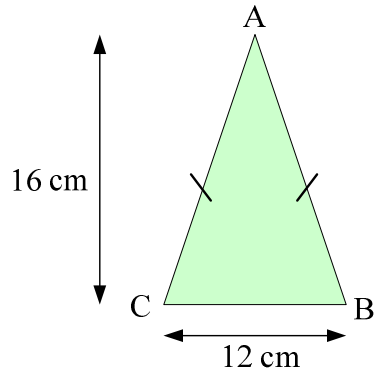
(a) $ 81 000 (b) $ 8100 (c) $ 810 (d) $ 81

22 What is the length of AB in the picture below?



(a) 13 cm (b) 10 cm (c) 8 cm (d) 7 cm

Use the diagram below to answer items **23** and **24**. The diagram below, **not drawn to scale**, shows the triangle ABC, in which AB = AC



23 What type of triangle is represented in the diagram?

(a) scalene (b) right-angled (c) isosceles (d) equilateral

24 The area, in cm^2, of triangle ABC is

(a) 28 (b) 44 (c) 96 (d) 192

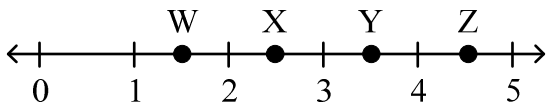
25 When the following numbers 2, 1, 6, 4, 7 are arranged in ascending order, which number will be the middle number?

(a) 1 (b) 4 (c) 6 (d) 7

26 Which of the following gives the same answer as 67 x 2?

(a) 67 ÷ 67 (b) 67 – 67 (c) 67 x 67 (d) 67 + 67

27 Which letter on the number line shows the location of $\frac{3}{2}$?



(a) W (b) X (c) Y (d) Z

Use the menu shown below to answer question **28**.

28 Jerry has $9.45 to spend. He bought a ham sandwich and a fruit drink. How much money does he have left?

(a) $2.35 (b) $3.40 (c) $6.05 (d) $7.10

29 What is the value of 3 x (9+1) – 6?

(a) 12 (b) 16 (c) 22 (d) 24

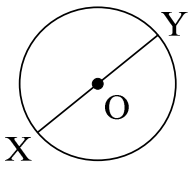
30 1 tonne expressed in kilograms is:

(a) $\frac{1}{1000}$ (b) 10 (c) 100 (d) 1000

31 If a truck travels at a speed of 20 km per hour for 4 hours, how far will it travel?

(a) 16 km (b) 24 km (c) 60 km (d) 80 km

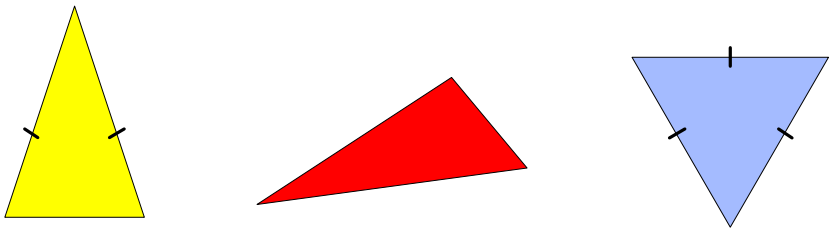
32 The shape below represents a circle with centre O.



The line XY represents the

(a) circumference (b) diameter (c) radius (d) arc

33 Here are three triangles.



Which of the following **BEST** describes them in order from left to right?

(a) equilateral, isosceles, scalene

(b) isosceles, equilateral, scalene

(c) scalene, equilateral, isosceles

(d) isosceles, scalene, equilateral

34 On 3 science tests, Mark earned a score between 60 and 70. If he scored 95 on the 4th test, which of the following statements will be **TRUE**?

(a) Mark's mean score will increase. (b) Mark's mean score will decrease.

(c) Mark's modal score will increase. (d) Mark's median score will decrease.

35 The product of 0.1 and 0 is

(a) 0.1 (b) 0 (c) 1 (d) 10

36 There are 200 vehicles in a parking lot. If 80 of them are cars, what percent of the vehicles are cars?

(a) 10% (b) 40% (c) 60% (d) 80%

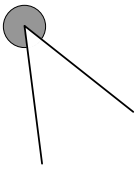
37 Ken solved the problem below

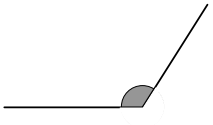
$$4\overline{)2134} \quad 533 \text{ r } 2$$

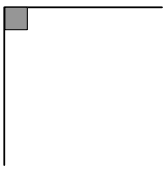
Which expression can he use to check his answer?

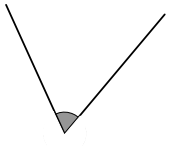
(a) (533 x 4) x 2 (b) (533 x 2) x 4 (c) (533 x 4) +2 (d) (533 x 2) + 4

38 Which of the following shows a shaded acute angle?

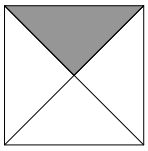
(a) 

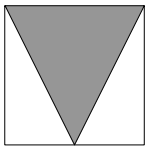
(b) 

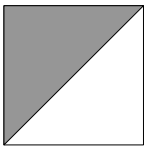
(c) 

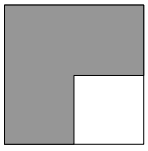
(d) 

39 Which square has $\frac{1}{4}$ of its area shaded?

(a) 

(b) 

(c) 

(d) 

Use the information below to answer items **40** and **41** .

Shane recorded the number of phone calls he received each day for 7 days. The results are shown below.

3 , 6 , 7 , 3 , 5 , 1 , 3

40 How many phone calls did Shane receive on most days?

(a) 3 (b) 4 (c) 6 (d) 7

41 What is the mean (average) number of phone calls Shane received?

(a) 3 (b) 4 (c) 6 (d) 7

42 The price of a Blackberry costs $800. In a sale, the price is reduced by $150. What is the sale price?

(a) $150 (b) $650 (c) $800 (d) $950

43 If y = 2, what is 4 x (6 –y)?

(a) 8 (b) 16 (c) 22 (d) 32

44 Which unit of measure is **BEST** used for measuring the mass of a mango?

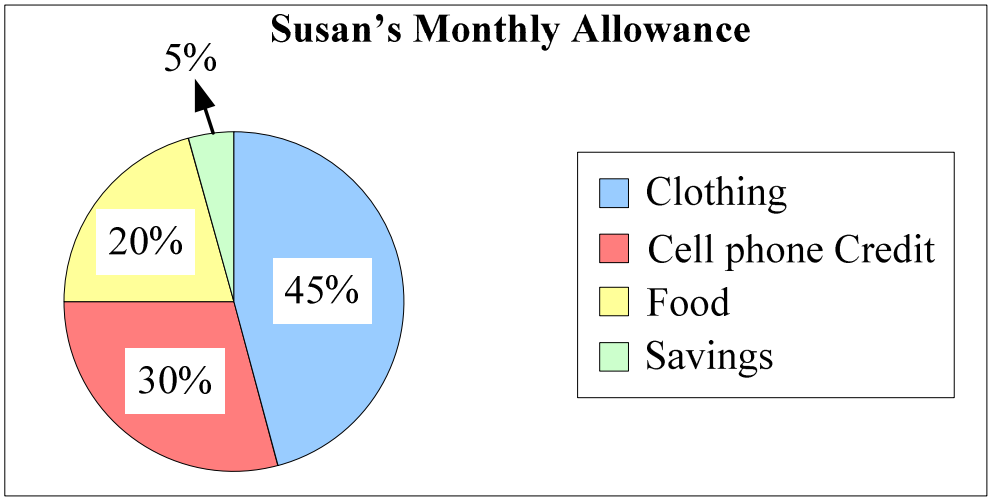
(a) milligram (b) gram (c) kilogram (d) tonne

45 A rectangular field has a perimeter of 120 m. If the field is 20 m in width, what is the length of the field?

(a) 20 m (b) 40 m (c) 100 m (d) 140 m

Items **46** , **47** and **48** are based on the pie chart below.

The pie chart shows how Susan divided her monthly allowance of $200



46 To which item did Susan give the most money?

(a) savings (b) food (c) clothing (d) cell phone credit

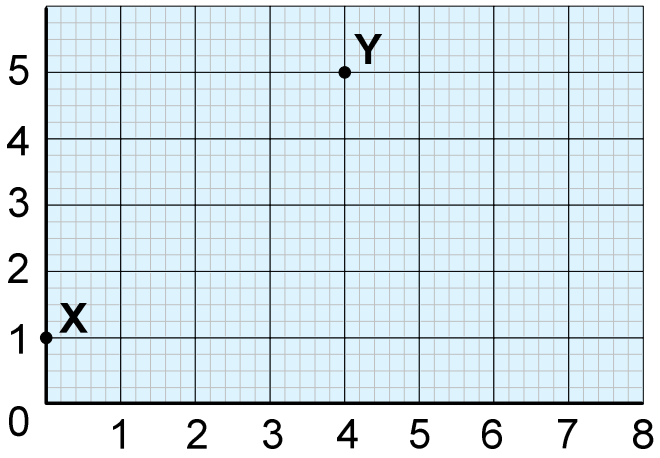
47 How much money was allotted to cell phone credit?

(a) $30 (b) $36 (c) $60 (d) $140

48 How much more of Susan's allowance was given to food than for savings?

(a) $10 (b) $30 (c) $40 (d) $50

Study and use the diagram below to answer question **49** .



49 What are the coordinates of X and Y?

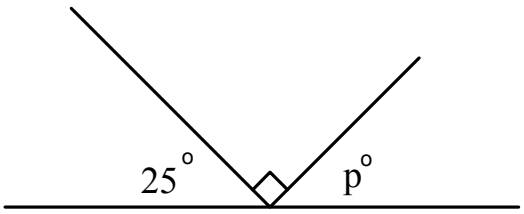
(a) X(1,0) Y(5,4)

(b) X(1,0) Y(4,5)

(c) X(0,1) Y(5,4)

(d) X(0,1) Y(4,5)

50 Angle p =



(a) 25^{o} (b) 65^{o} (c) 115^{o} (d) 155^{o}

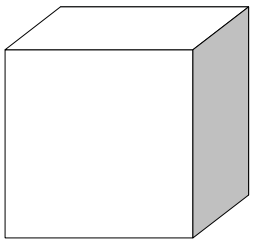
51 When an even number is added to 3, the answer will **ALWAYS** be

(a) negative (b) prime (c) odd (d) even

52 Dan spoke on the telephone for $1\frac{1}{2}$ hours with his three best friends, Justin, Mark and Steve. He spoke with Justin for $\frac{1}{3}$ of an hour and with Mark for $\frac{1}{2}$ an hour. How much time did Dan spend on the telephone with Steve?

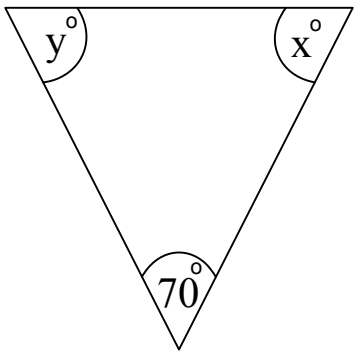
(a) $\frac{5}{6}$ hr (b) $\frac{2}{3}$ hr (c) $\frac{2}{5}$ hr (d) $\frac{1}{6}$ hr

53 How many faces does the cube have?



(a) 3 (b) 4 (c) 6 (d) 8

54 In the figure below, angles x and y are the same size. The size of angle x is



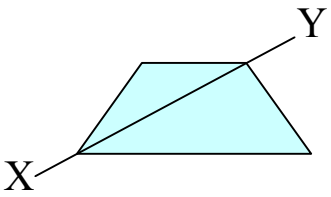
(a) 20^o (b) 55^o (c) 70^o (d) 110^o

55 Susan and her sister went to a netball match on Sunday. They left home at 2.30 pm. It took them 45 minutes to get to the match. They arrived 15 minutes before the match started. At what time did the match begin?

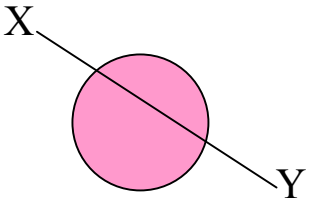
(a) 3:00 p.m. (b) 3:30 p.m. (c) 3:45 p.m. (d) 4:00 p.m.

56 In which diagram below is the line XY a 'line of symmetry'?

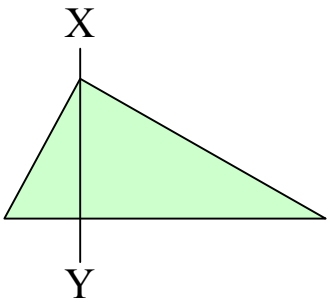
(a)



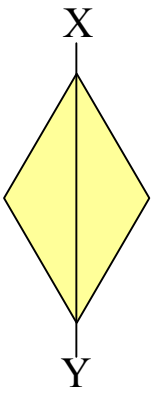
(b)



(c)

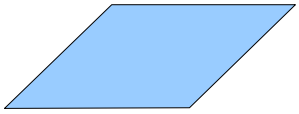


(d)

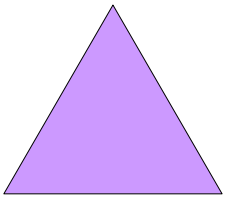


57 Which shape below has only one pair of parallel lines?

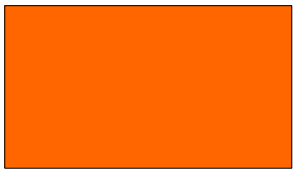
(a)



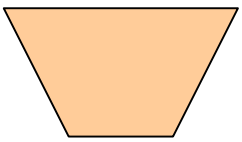
(b)



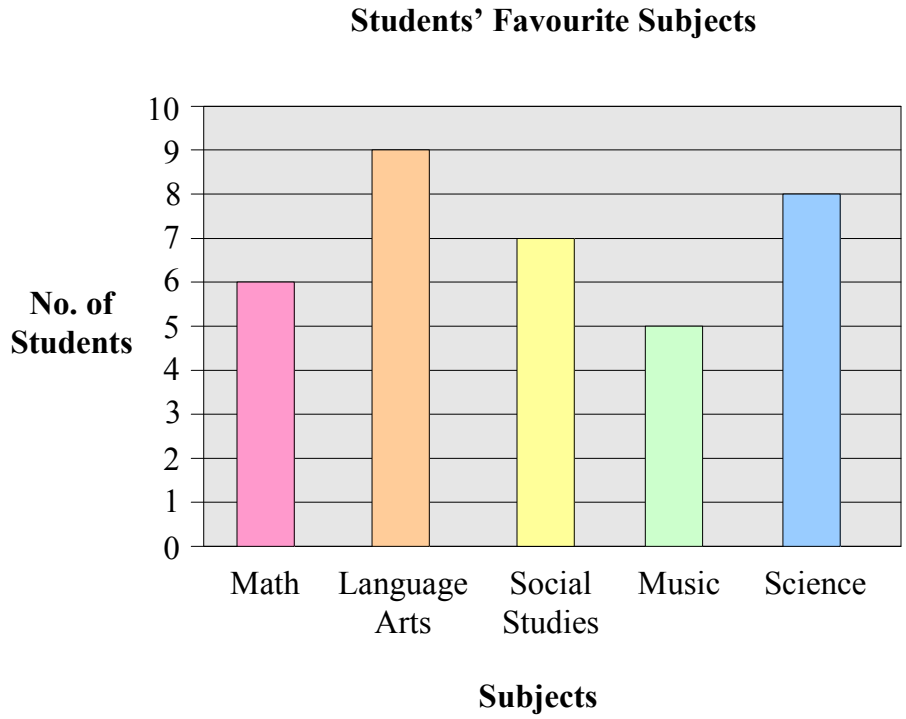
(c)



(d)



Items **58** , **59** and **60** are based on the graph shown below.



58 Which subject is the **LEAST** liked among students?

(a) Language Arts (b) Music (c) Science (d) Social Studies

59 How many students did Mark survey?

(a) 9 (b) 30 (c) 33 (d) 35

60 How many more students prefer Language Arts than Maths?

(a) 3 (b) 6 (c) 9 (d) 15