SEA Practice Test 1

MATHEMATICS

Based on the Revised SEA Framework 2021-2023

School:

_____

Student's Name:

_____

Date:

_____

INSTRUCTIONS

This test is divided into THREE sections with a total of 40 questions.

SECTTION 1 has 20 questions (nos. 1-20), Section 2 has 16 questions (nos. 21-36) and SECTION 3 has 4 questions. (nos. 37-40).

You have 75 minutes to answer ALL questions. Read each question carefully and show all working in the column provided. Marks will be given for correct steps taken.

DO NOT BEGIN UNTIL YOU ARE TOLD TO DO SO.

SEA Practice Test 1 - Mathematics (75 minutes)

Section 1

1. Write in Words: 54301

Answer: _____(1 mark)

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2. Use the following digits to make the smallest number.

    8 3 1 6

Answer: _____   (1 mark)

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3. Rearrange the following numbers in ascending order.

    0.54   1.5   0.05   0.50

Answer: _____   _____   _____   _____   (1 mark)

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4. Dylan saved $340. He gets an additional 25% from his mother which he saves. How much money does Dylan have now?

Answer: _____   (1 mark)

SEA Practice Test 1 - Mathematics (75 minutes)

5. Express 36% as a decimal fraction.

Answer: _____   (1 mark)

___

6. Complete the statement below to represent the decimal 8.36.

$(8 \times 1) + (3 \times \frac{1}{10}) + ($ $)$

Answer: _____   (1 mark)

___

7. What is the difference between 3107 and 1752?

Answer: _____   (1 mark)

___

8. There are 20 dozen eggs to be shared equally among 4 bakers. How many dozen eggs will each baker get?

Answer: _____   (1 mark)

___

9. 40% of a number is 20. What is the number?

Answer: _____   (1 mark)

10. In 2012, Grace was 10 years old. In what year would Grace celebrate her 16th birthday?

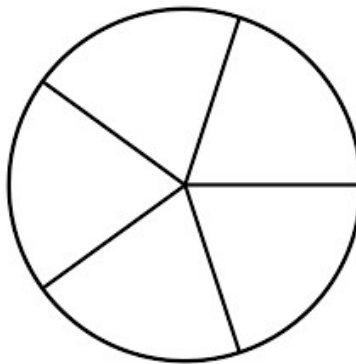Answer: _____   (1 mark)

___

11. How long was session 2 below?

Sessions	Begins	Ends
1	8.45 p.m.	7.30 p.m.
2	9:30 a.m.	3:15 p.m

Answer: _____   (1 mark)

12. Shade 3/5 of the whole below.
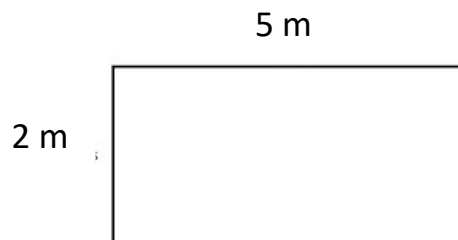

(1 mark)

13. In a cash pan there are twenty 25¢coins pieces. How much money is that in dollars?

Answer: _____   (1 mark)

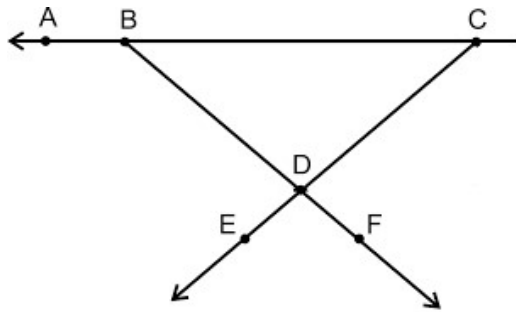14. Calculate the perimeter of the rectangle.

5 m

2 m

Answer: _____   (1 mark)

15. Rose is bought a box of candles for $450 at 20% discount. What was the original price for the box of candles?

Answer: _____   (1 mark)

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16. How many angles shown below are between 90° and 180°?

Answer: _____   (1 mark)

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17. How many lines of symmetry does the figure below have?

Answer: _____   (1 mark)

---

18. Complete the statement below.

3500 grams = _____ kilograms

Answer: _____ kg   (1 mark)

19. Calculate:

0.5 + ¾

Answer: _____   (1 mark)

_____

20. Complete the table below.   (1 mark)

Type of solid	Type of faces
	triangles

_____

SECTION 2

21. Ben and Darcy park their cars in the same car park, with the rates advertised below. Ben pays hourly and parks his car for 5 hours each day for 6 days a week, while Darcy pays the daily rate and parks her car for the dame duration over the 6 days. Calculate the difference between what Ben and Darcy pays.

Car Park Rates
$7.00 per hour or any part of the hour
$45 per day

Answer: _____   (3 mark)

_____

22. A baker packed 6 muffins into 24 boxes each. If the baker had 5 remaining muffins, how many muffins does she have in total?

Answer: _____   (2 mark)

---

23. Which is the largest number below that can be divided exactly by 6 and 4?

24   48   52

Answer: _____   (2 mark)

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24. The prices at a fruit stall are displayed below.

Bananas	Mangoes
$6.00 per pound	$5 for 3

a) Alice spent $30 on bananas. How many bananas did she get?

Answer: _____pounds   (1 mark)

b) If she had purchased mangoes instead, how much would she have gotten?

Answer: _____   (2 mark)

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25. Two children stood in a line at morning assembly. There are 5 children in front of the first child and 12 children after the second child. If there are 40 students in line, how many children are standing between these two children?

Answer: _____   (3 mark)

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26. Leo is packing away some items in his room. He must stack three items on top of each other. Calculate the total weight of the items and state the order from the top to the bottom which is the order he should pact the items so they are not damaged.

| **4.7 kg** | **1600 g** | **33 kg** |

Answer:

_____

_____

_____

_____

(3 mark)

---

27. Marvin takes 30 minutes to get to work by taxi car from his home to Arima. Then 1½ hours by bus to Port of Spain. He then takes 10 minutes to walk to his office. Marvin left home at 5 a.m. At what time did he get to his office?

Answer: _____   (3 mark)

28. A school has a population of 560 students. 252 students are girls. What percentage of the population is boys?

Answer: _____   (2 mark)

29. Apples cost 3 for $12 and mangoes cost $2.50 each. Calculate the cost of 9 apples and 9 mangoes.

Answer: _____   (2 mark)

30. A table top that measures 96cm by 168 cm has to be covered with square tiles of edge 24cm. how many tiles are needed to cover the table top?

Answer: _____   (3 mark)

SEA Practice Test 1 - Mathematics (75 minutes)

31. Mother bought 3 bales of cloth to make curtains. She used ¼ of the cloth to make curtains to cover the entrance doors, 5/8 to cover some windows in the living room, and ½ to cover the windows in the bedrooms. How much cloth did mother use?

Answer: _____   (3 mark)

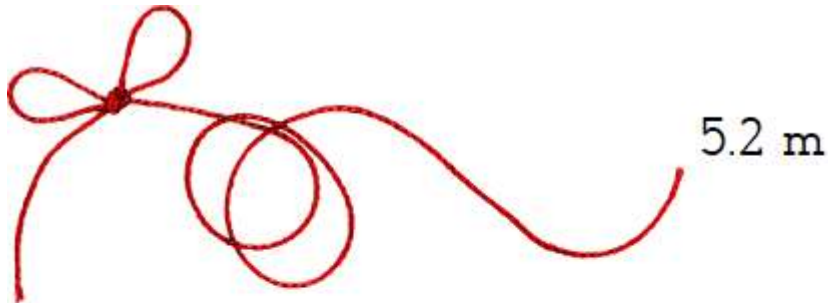32. Write two of the symbols <, > or = to complete the statement below.

$^6/_7$ _____ ¾ _____ $^{12}/_{16}$

     a   b   (2 mark)

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33. What is the total length of the two pieces of strings below?

5.2 m

360cm

Answer: _____   (3 mark)

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34. In the circle below, how many pairs of perpendicular lines are there? Label the line which is perpendicular to line PQ with the letters R and S.
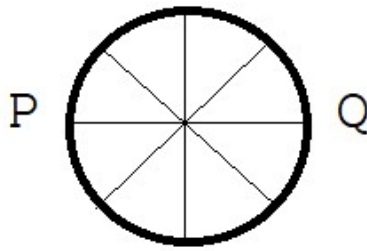
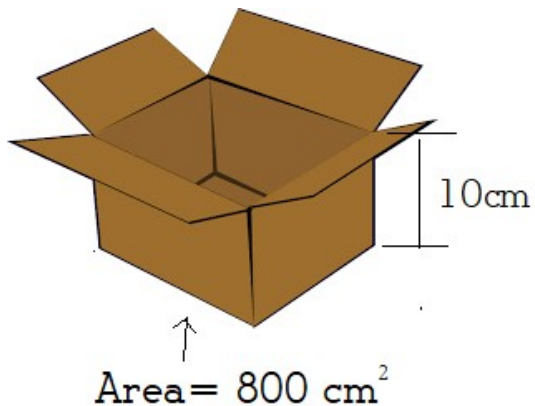Answer: _____   (2 mark)

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35. Insert the values of the missing digits below (?).

$$
\begin{array}{r}
3970 \\
+\ \ 4?6 \\
\hline
4406
\end{array}
$$

Answer: _____   (2 mark)

---

36. How many cubes with volume 200 cm³ can fit into the box below?

10cm

Area = 800 cm²

Answer: _____   (2 mark)

SECTION 3

37. A storage tank can hold 91 litres of water. It is filled at a rate of 800 ml every 2 minutes. What fraction of the tank would be filled between the periods 3:00 p.m. to 6:00 p.m.?
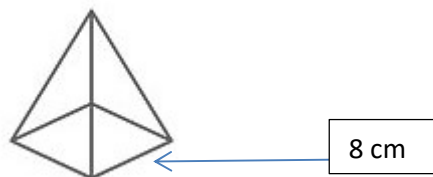
Answer: _____   (4 mark)

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38. Joe is purchasing pencil cases and pens as Christmas gifts children in his village. The cost of pencil cases was 5 for $40.00 and the cost of the pens was 4 for $15. What is the total cost of 25 cases of pencils and 62 pens?

Answer: _____   (4 mark)

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39. The solid below is made up of square and isosceles triangular faces.

8 cm

a) Complete the table below based on the solid.

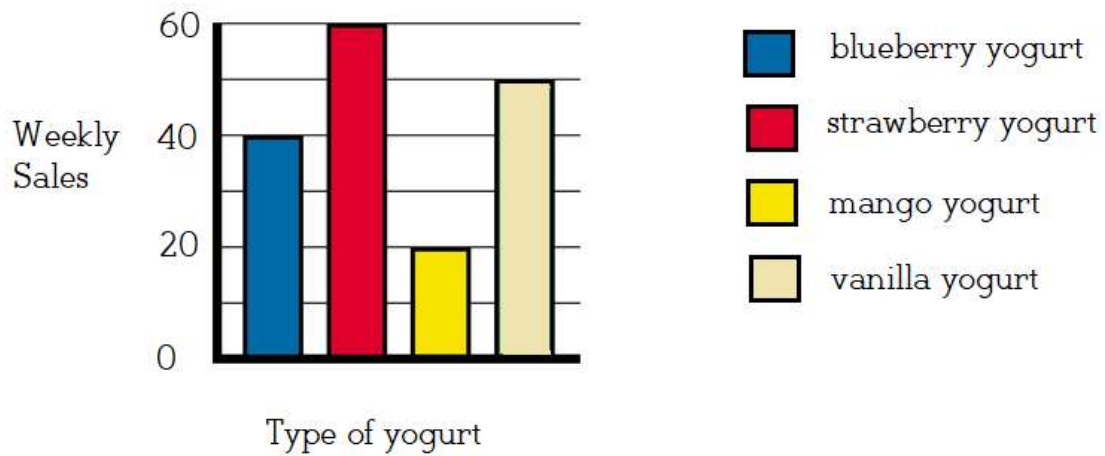| NAME OF SOLID	NUMBER OF EDGES	NUMBER OF VERTICES

b) How many edges are 8 cm long?

Answer: _____   (4 mark)

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40. The block graph below represents the number of yogurt sold in a school cafeteria in a particular week.

a) Calculate the average number of yogurt sold.

Answer: _____   (3)

b) What is the most popular yogurt? Why do you think this is the most popular?

Answer: _____   (4 mark)

SEA Practice Test 1 - Mathematics (75 minutes)

Answers:

1. fifty-four thousand, three hundred and one.

2. 1368

3. O th
   0.54
   1.50 ← largest
   0.05 ← smallest
   0.50
   Answer= 0.05, 0.50. 0.54, 1.50

4. 100 + 25 = 125% ← saved
   340 x 125% = $ 425
   Answer = He saves $425

5. Answer= 0.36

6. Answer: 6 x $^1/_{100}$

7. Answer= 1355

8. Answer=20÷4= 5 dozens

9. 40% x n = 20
   n = 20 /0.4 = 50 (Answer)

10. 16-10 = 6   2012+6=2018

11. 5 hrs 45 mins
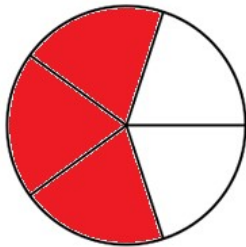
12.

13. Answer= $5.00

14. Answer=14 metres

15. Original price is 100%
    100%= $^{450}/_{80}$ x 100=562.50
    Answer= $562.50

16. Answer: 2 angles (B,C)
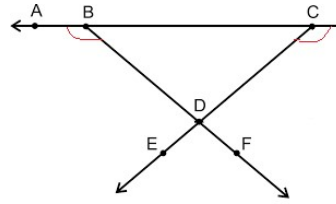
17. D
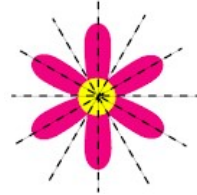
18.   Answer: 12

19. Answer = 3.5 kg

20. Answer= 1¼

21. Triangular-based pyramid

22. Ben pays= 5x6 = 30x$7=$210
    Darcy pays = 45x6=$270
    Difference = 270-210=$60 (Answer)

23. Amount of muffins packed =
    6x24=144
    Total amount of muffins before
    packing=144+5 = 149 muffins
    (Answer)

24. Answer=48

25. 30/6= 5 pounds of bananas (a-
    Answer)
    30/5= 6 groups of 3 = 6x3=18
    mangoes (b- Answer)

26. Answer=There are 23 children
    between them.

27. 1000g= 1kg
    4700+1600+33000=39300 g
    or39.3kg

The teddy bear is the lightest so that should
be on top of the book and the suitcase
should be on the bottom because it is the
heaviest.

28. 5:00+30=5:30+1:30=7:00+10=7:10

    Answer: arrives at work at 7:10 a.m.

29. Boys=560-252 =308

    Percent= 308/560=0.55*100=55%

    Answer= 55% is boys

30. 9 apples=12x3=$36

    9 mangoes=2.5x9=$22.50

    Total=36+22.5=$58.50 (Answer)

31. Area of countertop=96x168=16128cm^2

    Area of tile=24x24=576cm^2

    Amount of tiles=16128/576=28

    Answer= 28 tiles

32. ¼+$^5/_8$+½=1 $^3/_8$ bales of cloth (answer)

33. $^6/_7$>$^3/_4$=$^{12}/_{16}$

34. 520+360=880cm or 8.8m (Answer)
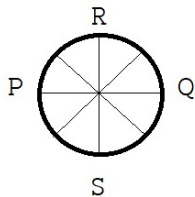
35.

Answer: 2 pairs of perpendicular lines

(Perpendicular lines form when two lines meet each other at the right angle.)

36. 3970+436=4406

    Answer: ? =3

37. Volume of box=800x10=8000cm^3

    Amount of cubes to fit=

    8000÷200= 40 cubes (Answer)

38. Between 3 p.m. to 6 p.m. is 3 hrs

    3 hrs= 180 min

    Amount of interval to fill=180÷2=90

    90 intervals will get = 90x800=72000

    ml= 72 l

    Fraction = $^{72}/_{91}$

39. 25 cases cost=5x40=$200

    62 pens cost=15x15.5=$232.50

    Total cost = 200+232.50=$432.50

    Answer=$432.50

40. a) The solid is a square-based pyramid that has 8 edges and 5 vertices.

    b) 4 edges that is 8 cm long

41. Total = 40+60+20+50=170

    Average =170÷4= 42.5

    a) Answer = 43 yogurts

    b) The most popular yogurt is the strawberry yogurt. Perhaps this is the variety that is most available for sale.