الملف مراجعة الوحدة الخامسة الإحصاء والإحتمال Probability and Statistics

روابط مواقع التواصل الاجتماعي بحسب الصف الثالث

روابط مواد الصف الثالث على تلغرام

الرياضيات	اللغة الانجليزية	اللغة العربية	التربية الاسلامية

المزيد من الملفات بحسب الصف الثالث والمادة رياضيات في الفصل الثاني	
كل مايخص الاختبار التكويني لمادة الرياضيات للصف الثالث يوم الأحد 9/2/2020	1
أسئلة الامتحان التكويني الأول	2
الـــــلفصل الثاني التوزيع الزمني	3
النموذج التدريبي الرسمي للاختبار الوطني 2017 +الحلول	4
الدليل الإرشادي لامتحان نهاية الفصل الثاني من ـ صور	5

Unit 5

Statistics and probability
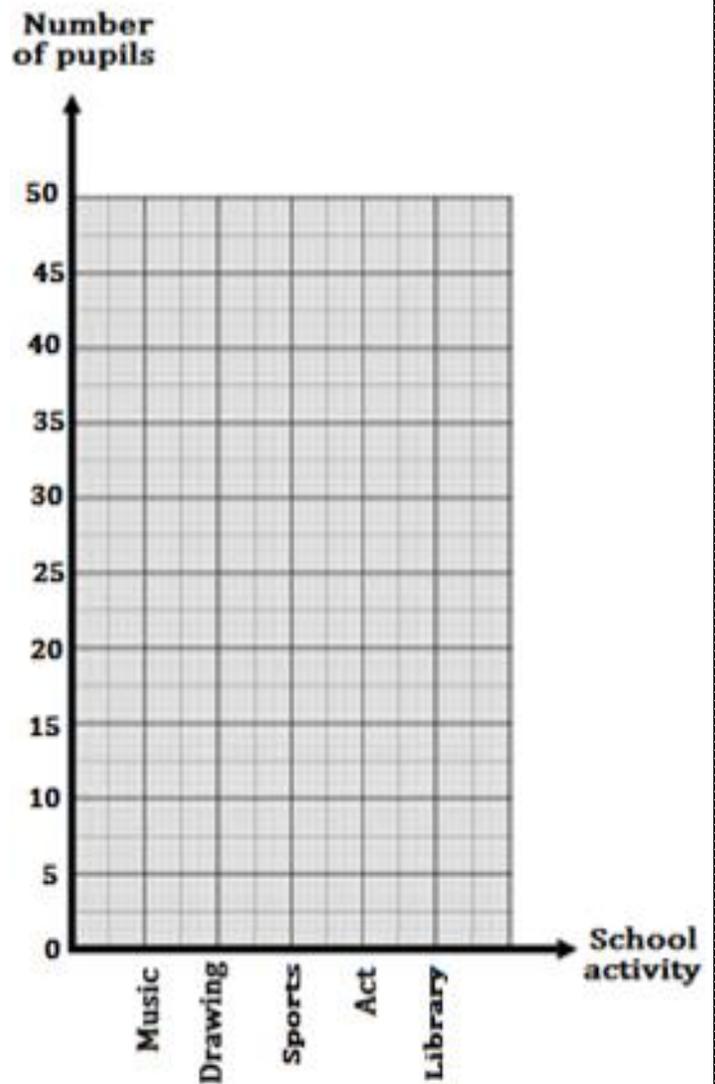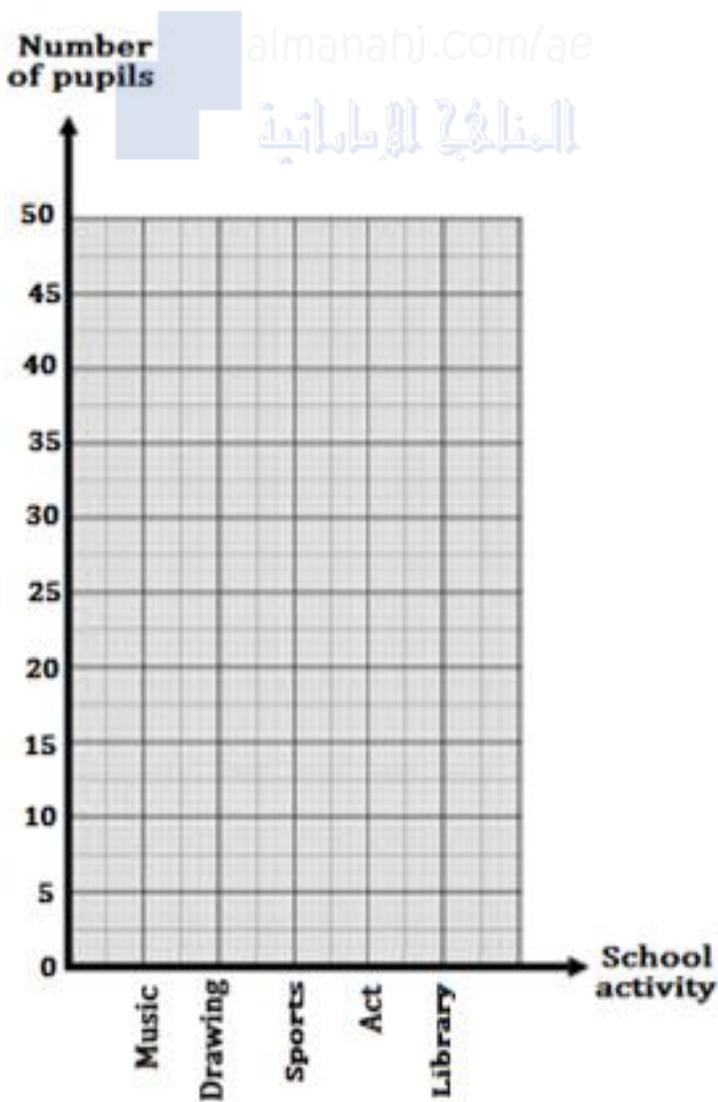
Lesson.1➢ Representing data
Lesson.2➢ probability

Lesson.1➢ Representing data

1)The following table shows the pupils who took part in the School activity

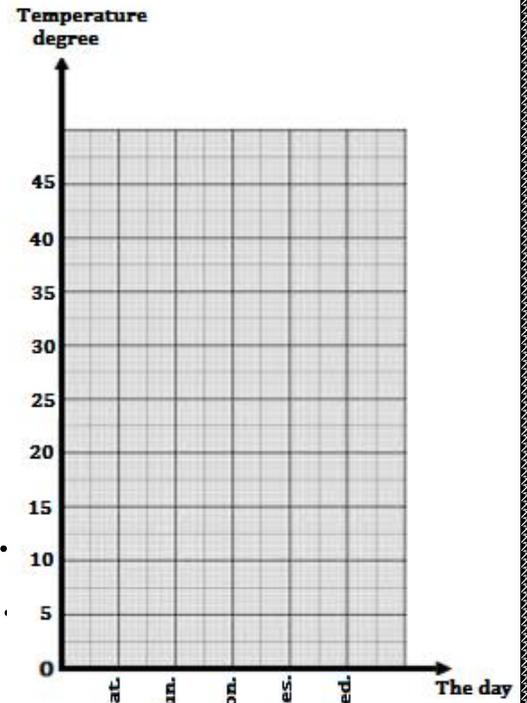| School activity	Music	Drawing	Sports	Act	Library
Number of pupils	20	30	35	15	25

Represent the data by <u>bar charts</u> then represent these data by <u>broken line</u>

2) The following table shows the temperature degree for 5 days:

The day	Sat.	Sun.	Mon.	Tues.	Wed.
Temperature degree	30	25	20	15	20

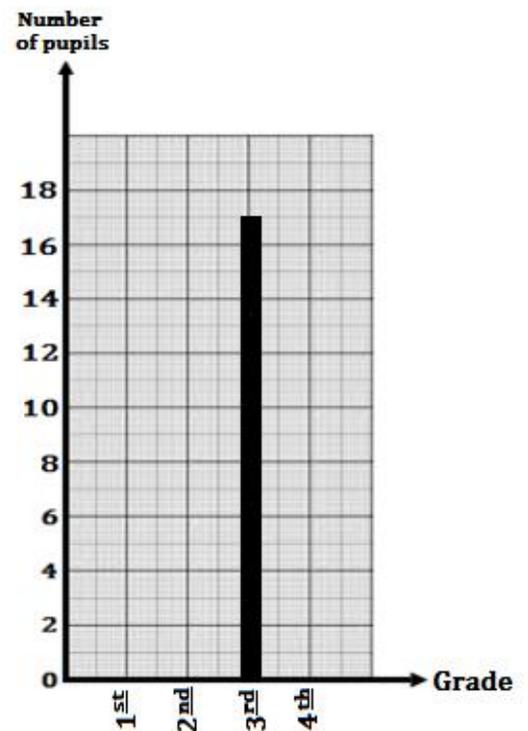**a) Represent the data by a broken line.**

b) Complete:

The least temperature degree is on ……………..

The greatest temperature degree is on …………

3) The following table shows the number of pupils going in a school trip:

Grade	1st	2nd	3rd	4th
Number of pupils	14	10	……	18

Complete the table and Represent the data by bar charts.

(41)

Lesson.2➢ probability

Remember:

The probability of the impossible event = zero

The probability of the certain = 1

The probability of the possible event is between zero and 1 (fraction)

The probability of the event = $\dfrac{\text{the number of possible outcomes of the event}}{\text{the total number of all possible outcomes}}$

1) Complete:

a) The probability of the impossible event is …………………..

b) The probability of the certain event is …………………..

c) The probability of the possible event is between ………. and …………

d) The probability of appearing 2 on the face of the dice = ……….

e) If we flip a coin, the probability of getting a head is …………..

f) If we flip a coin, the probability of getting a tail is …………..

g) If we flip a coin, the probability of getting a head or a tail is …………..

2) Choose the correct answer:

a) The probability of that the sun rises from the east = …… (1 , 0 , $\frac{1}{2}$)

b) The probability of that the sun rises from the west = …… (1 , 0 , $\frac{1}{2}$)

c) It's ……………. That the cow is flying. (impossible – possible – certain)

d) It's ………………. That the river Nile runs in Egypt.

(impossible – possible – certain)

3) A bag contains15 balls, 5 white balls, 7 black balls and 3 red balls. All

of which are of equal size. When a ball is drawn randomly from the box,

   Find the probability of:

a) Black ball …………………..

b) Yellow ball …………………..

c) red ball …………………..

d) White ball or red ball …………………..

4) A fair die was thrown once, the probability of appearing:

   • **The number 3** …………   • **The number 5** …………

   • **An odd number** …………   • **A number greater than 6** …………

   • **An even number** …………   • **A number smaller than 7** …………

Model 1

A) Choose the correct answer:

(1) Seventy four tens = ……… (74, 704 , 740)

(2) 8000 = 2000 × ……… (4 , 40 , 400)

(3) 34 meters = ……… cm (34 , 340 , 3400)

(4) The perimeter of the rectangle whose length is

   5 cm and its width is 3 cm = ……….. cm (12 , 16 , 15)

(5) It's ………. That the elephant is flying (impossible , possible, certain)

(6) ……… + $\frac{3}{5}$ = 1 ($\frac{1}{5}$, $\frac{4}{5}$, $\frac{2}{5}$)

(7) 25 × 4 × 32 =……… (320 , 3200 , 32000)

(8) 2 weeks = ……… days (24 , 14 , 40)

(9) 4080 ÷ 4= ……….. (1020 , 2010 , 1002)

(10) ……… is from odd numbers (12 , 13 , 14)
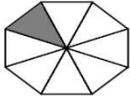
(11) The fraction which represents the shaded part is   ($\frac{1}{8}$, $\frac{1}{7}$, $\frac{1}{4}$)

(12) Two hour and 15 minutes = ……… minutes (100 , 135 , 75)

(13) 2 × …… × 1000 = 6000 (6 , 2 , 3)

(14) The Telling the time of is …………………..

   (quarter past five, quarter to five, 10 past five)

B) Complete:

(15) $2 \times 5 \times 95 = \ldots\ldots\ldots$

(16) $\frac{5}{7} = \frac{\ldots\ldots}{7} + \frac{2}{7}$

(17) $1 - \frac{2}{3} = \ldots\ldots\ldots$

(18)   Two sevenths = $\ldots\ldots\ldots$

(19)   The perimeter of the square whose side length 3 cm = ... Cm

(20)   A father distributed 360 pounds among his three children. Then
          the share of each one = $\ldots\ldots\ldots\ldots\ldots\ldots$ = $\ldots\ldots\ldots\ldots$ pounds

(21)   4 , 16 , 64 , ... , ...   (*in the same pattern*)

(22)   one year and a quarter year = $\ldots\ldots\ldots$ months

c) Solve the following problems:

(23) Arrange in an ascending order:

a) $\frac{2}{9}$, $\frac{5}{9}$, $\frac{8}{9}$, $\frac{1}{9}$ and $\frac{7}{9}$

The order: $\ldots\ldots\ldots$, $\ldots\ldots\ldots\ldots$, $\ldots\ldots\ldots\ldots$, $\ldots\ldots\ldots\ldots$, $\ldots\ldots\ldots\ldots$

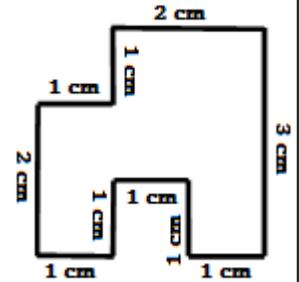b) $\frac{1}{8}$, $\frac{1}{10}$, $\frac{2}{8}$,   1   , $\frac{1}{5}$

The order: $\ldots\ldots\ldots$, $\ldots\ldots\ldots\ldots$, $\ldots\ldots\ldots\ldots$, $\ldots\ldots\ldots\ldots$, $\ldots\ldots\ldots\ldots$

(24) Find the perimeter of triangle whose side lengths are 3, 4 and 5 cm.

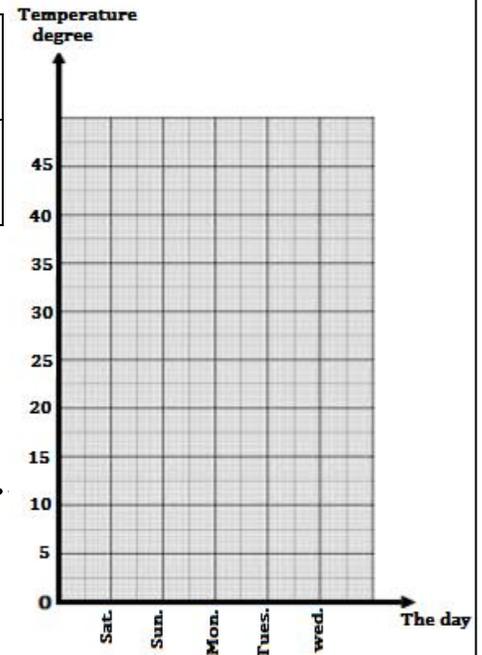**The perimeter of the triangle = ……… + ……… + ……… = ……… cm**

(25) Calculate the perimeter of the following shape:

The perimeter = …………………………………… = ………….. cm

2 cm

1 cm

1 cm

1 cm

3 cm

2 cm

1 cm

1 cm

1 cm

1 cm

1 cm

(26) _The following table shows the temperature degree for 5 days:_

The day	Sat.	Sun.	Mon.	Tues.	Wed.
Temperature degree	25	20	30	25	30

a) **Represent the data by a broken line.**

b) **Complete:**

The least temperature degree is on ……………..

The greatest temperature degree is on …………..

and ……………..

Temperature degree

45

40

35

30

25

20

15

10

5

0

Sat.   Sun.   Mon.   Tues.   Wed.

The day

Model 2

A) Choose the correct answer:

(1) The even number which included between 30 and 40 is …..

(33 , 36 , 42)

(2) The number of even numbers that are included between 20 and 40

is …….   (6 , 2 , 9)

(3) The fraction if added to $\frac{1}{3}$ the result will be $\frac{2}{3}$ is ….. $\left(\frac{1}{5} , \frac{1}{3} , \frac{1}{4} \right)$

(4) The normal human body temperature is …..   (37°C, 30°C, 38°C)

(5) The probability of certain event = ………   (1 , 0 , $\frac{1}{2}$)

(6) The suitable length to measure the length of your class is ….

(cm, meter, km)

(7) $\frac{1}{2} + \frac{1}{2}$ …… $\frac{7}{7}$ (> , < , =)

(8) Eman wanted to buy 350 pens for 3 pounds each then the total price

of pens requires …………… operation

(addition , multiplication , division)

(9) 5 hundred …… 6 hundreds – 20 × 10   (> , < , =)

(11) Which of the following operations doesn't represent an even

number?   (23 × 10 , 6 tens + 2 tens ,   6 ÷ 2)

(12) 500 metre …… 1 kilometre   (> , < , =)

(13) ABCD is a square then the perimeter of
the figure ABED is ……… cm   (24 , 40 , 48)
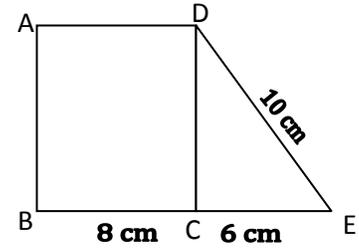
(14) Appearing tail when tossing a coin once is ………… event
(impossible – possible – certain)

B) Complete:

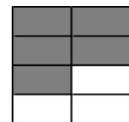**(15)** The number that if multiplied by 327 the result will be 327000 is …….

(16) A case of triangular pieces of cheese contains 8 equal pieces. The

fraction which represents two pieces of them is ……

(17) 9903 ÷ 3 = ………..

(18) 12 , 36 , 108 , …………. , …………. (in the same pattern)

(19) The number that is divided by 7 the result will be 135 is …….

(20) The fraction which represents the shaded part is …..

(21) 4224 , 4334 , …………. , …………. , ………… (in the same pattern)

(22) The Telling the time of   is …………………..

c) Solve the following problems:

(23) Mary bought 13 pens for 100 piastres each .

How much money did she pay?

She paid= ………………………………………….. = ……………… piastres
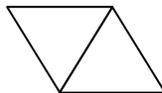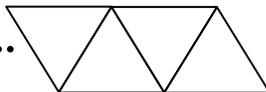
(24) The perimeter of a triangle is 24 cm. if the sum of lengths of two of its sides is 18 cm. Find the length of the third side.
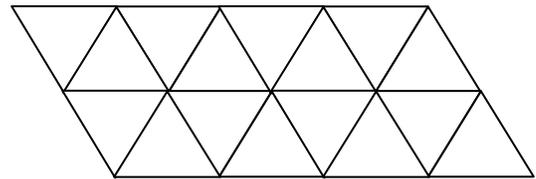
The length of the third side = ………… - ………… = ………… cm

(25) Find the area of the opposite shape according to the given unit:

Area of the shape = ………..

Area of the shape = ………..

Area of the shape = ………..

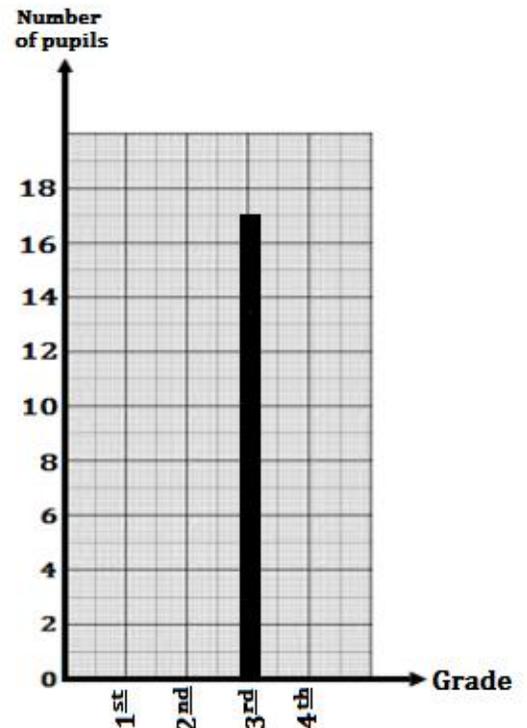### (26) The following table shows

the number of pupils going in a school trip:

Grade	1st	2nd	3rd	4th
Number of pupils	16	14	……	10

a) Complete the table and Represent the data by bar charts.

b) The greatest number of pupils going in the school trip is in ………. grade

Model 3

A) Choose the correct answer:

(1) **The unit of measuring length is …………….**   (m, kg , hour)

(2) **Forty eight tens = ……**   (48 , 4800 , 480)

(3) **One hour and 25 minutes = ……… minutes**   (75 , 85 , 95)

(4) **The fraction of the shaded parts represents ……..**   ($\frac{1}{5}$, $\frac{1}{3}$, $\frac{1}{4}$)
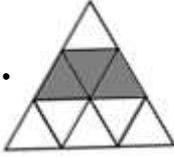
(5) **The probability of that the sun rises from the west = ……** (1 , 0 , $\frac{1}{2}$)

(6) $\dfrac{\text{………}}{5} + \dfrac{3}{5} = 1$ (1 , 2 , 3)

(7) **309 ÷ 3 ….   309 × 3**   (> , < , =)

(8) **Seventy six hundreds = …………**   (760 , 7600 , 76)

(9) **60 tens ÷ 3 = ………**   (20 , 200 , 2000)

(10) **203 × 8 = ………..**   (1624 , 1616 , 1424)

(11) **126 … 100 = 12600**   (÷ , × , +)

(12) **Which of the following number isn't even number** (362 , 403 , 370)

(13) A bag contains 10 symmetrical balls, 7 white balls, and the rest are red balls. When a ball is drawn randomly from the box then the probability of the drawn ball red is ....   ($\frac{3}{10}$, $\frac{7}{10}$, $\frac{1}{2}$)

(14) Which of the following groups of fractions are arranged ascendingly:

a) $\frac{1}{5}$, $\frac{1}{6}$, $\frac{1}{8}$, $\frac{1}{9}$, $\frac{1}{11}$

b) $\frac{1}{11}$, $\frac{1}{10}$, $\frac{1}{6}$, $\frac{1}{9}$, $\frac{1}{7}$

c) $\frac{1}{11}$, $\frac{1}{10}$, $\frac{1}{7}$, $\frac{1}{5}$, $\frac{1}{3}$

B) Complete:

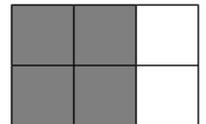**(15)**   The Telling the time of   is ....

(16)   6 × .... = 6000

(17)   The perimeter of any polygon = ...

(18) $\frac{5}{25}$ = $\frac{.........}{.........}$

(19)   4750 grams = ... kg + ... grams

(20)   The fraction which represents the shaded part is .....

(21)   1000 , 1002 , 1004 , ... , ...   (in the same pattern)

(22)   .... + $\frac{2}{9}$ = 1
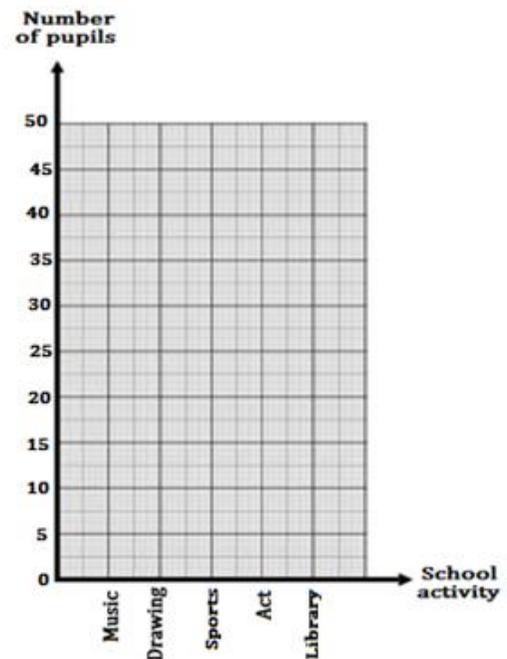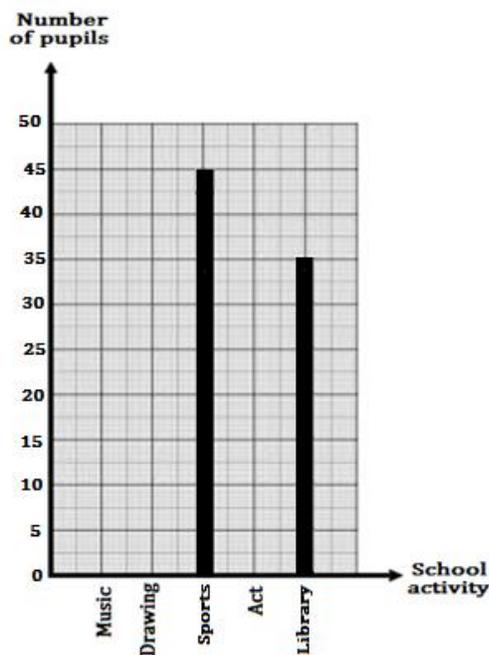
c) Solve the following problems:

(23) 5 × 2 × 27 =………

(24)   1 - $\dfrac{5}{16}$ = …………

(25) Find the number that if multiplied by 4, the result will be 248? ……….

(27) The following table shows the pupils who took part in the School activity:

School activity	Music	Drawing	Sports	Act	Library
Number of pupils	25	40	…….	35	…….

Represent the data by bar charts then represent these data by broken line

Final revision

A) Choose the correct answer:

(1)   **Twenty five hundred = ………**   **(25000 , 250 , 2500)**

(2)   **15000 = 3000 × ………**   **(5 , 50 , 500)**

(3)   **48 meters = ……… cm**   **(48 , 4800 , 48000)**

(4)   **The perimeter of the rectangle whose length is**

        7 cm and its width is 5 cm = ……….. cm   **(12 , 75 , 24)**

(5)   **It's ……… That two moons are in the sky.**

                                  (impossible – possible – certain)

(6)   **……… + $\frac{3}{11}$ = 1**   **($\frac{3}{11}$, $\frac{8}{11}$, $\frac{11}{11}$)**

(7)   **254 × 4 =………**   **(816 , 116 , 1016)**

(8)   **3 weeks = ……… days**   **(24 , 14 , 21)**

(9)   **1515 ÷ 5 = ………..**   **(33 , 3003 , 303)**

(10)   **……… is from even numbers**   **(21 , 210 , 205)**

(11)   **The fraction which represents the shaded part is …..** **($\frac{5}{8}$, $\frac{1}{2}$, $\frac{7}{8}$)**

(12)   **one hour and 15 minutes = ……… minutes**   **(100 , 135 , 75)**

(13)   **7 × …… × 1000 = 56000**   **(6 , 8 , 7)**

(14)   **The even number which included between 40 and 50 is …**

                                (52 , 45 , 42)

(15) The number of even numbers that are included between 60 and 80 is .....   (6 , 2 , 9)

(16) The fraction if added to $\frac{1}{9}$ the result will be $\frac{2}{9}$ is .....   ($\frac{2}{9}$, $\frac{1}{9}$, $\frac{9}{9}$)

(17) The normal human body temperature is .....   (37°C, 30°C, 38°C)

(18) The suitable length to measure the length of your room is....   (cm, meter, km)

(19) The Telling the time of   is ....

(Half past twelve, 6 O'clock , Half past one)

(20) Farah wanted to buy 190 pens for 3 pounds each then the total price of pens requires .... operation

(addition , multiplication , division)

(21) 4 hundred ...... 7 hundreds – (30 × 10)   (> , < , =)

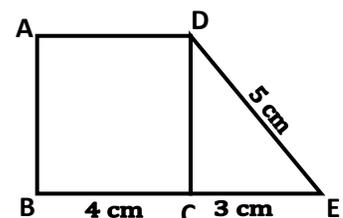**(22)** Which of the following number isn't odd number   (254 , 857 , 209)

(23) $1 - \frac{1}{3} = \frac{1}{3} + $ ......   ($\frac{3}{3}$, $\frac{1}{3}$, $\frac{2}{3}$)

(24) Which of the following operations represent an even number?

(23 × 5 , 6 tens + 2 hundreds , 18 ÷ 2)

(25) 780 metre ...... 1 kilometre   (> , < , =)

(26) ABCD is a square then the perimeter of the figure ABED is .... cm   (20 , 18 , 22)

(27) Appearing head when tossing a coin once is ……… event

(impossible – possible –certain)

(28) The probability of that Appearing head when tossing a coin once is…$(1 , 0 , \frac{1}{2})$

(29) The probability of that the sun rises from the west = ……… $(1 , 0 , \frac{1}{2})$

(30) A bag contains 15 symmetrical balls, 7 white balls, and the rest are red balls. Then the probability of the drawn ball red is ………

$(\frac{7}{15} , \frac{8}{15} , \frac{1}{15})$

B) Complete: **(1)**   The Telling the time of   ………………………… ,

….. : ….
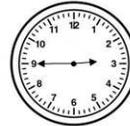
(2)   4570 grams = ………… kg + ………… grams

(3)   64 , 32 , 16 , …… , ……   (in the same pattern)

(4)   The number that if multiplied by 614 the result will be 61400 is ……….

(5)   A case of triangular pieces of cheese contains 8 equal pieces. The fraction which represents 7 pieces of them is …….

(6)   13 , 39 , 117 , …………. , …………. (in the same pattern)

(7)   The number that is divided by 3 the result will be 206 is …….

(8)   Two sevenths = ……….   , $\frac{6}{27} = \frac{………}{………}$ (simplest form)

(9)   …… $+ \frac{2}{9} = 1$, $1 - \frac{2}{3} = $ ……….

(10) The perimeter of the square whose side length 3 cm = ………. Cm

(11)   The perimeter of any polygon = ………………………………

(12)   The perimeter the square = …………………

(13) The perimeter the Rectangle = …………………………………

(14)   one year and a third year = ……… months

(15)   The probability of : impossible event = …… , certain(sure)event = …..

(16)   A father distributed 360 pounds among his three children. Then

the share of each one = ………………….. = …………. pounds

C) Solve the following problems:

(1) Arrange ascendingly $\frac{2}{7}, \frac{5}{7}, \frac{1}{7}$, 1 and $\frac{3}{7}$

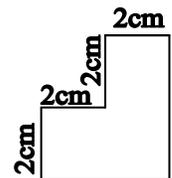The order: ……, ……, ……, …… , ……

(2) Find the perimeter of triangle whose side lengths are 6, 8 and 10 cm.

The perimeter of the triangle = ……… + ……… + ……… = ……… cm

(3) Calculate the perimeter of the following shape:

The perimeter = ……………………………… = …………. cm

2cm
2cm 2cm
2cm
2cm
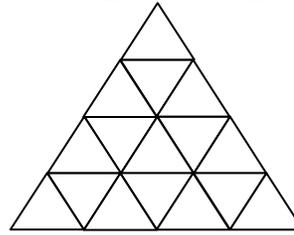
(4) The perimeter of a triangle is 30 cm. if the sum of lengths of two of its sides is 18 cm. then the length of the third side = …… - …… = …………. Cm

(5) Find the area of the opposite shape according to the given unit:

Area of the shape = ... △

Area of the shape = ... ▽

(6) The following table shows the temperature degree for 5 days:

The day	Sat.	Sun.	Mon.	Tues.	Wed.
Temperature degree	40	35	25	30	20

a) **Represent the data by a broken line and bar line**

b) **Complete:**

The least temperature degree is on ……………..

The greatest temperature degree is on ……………..
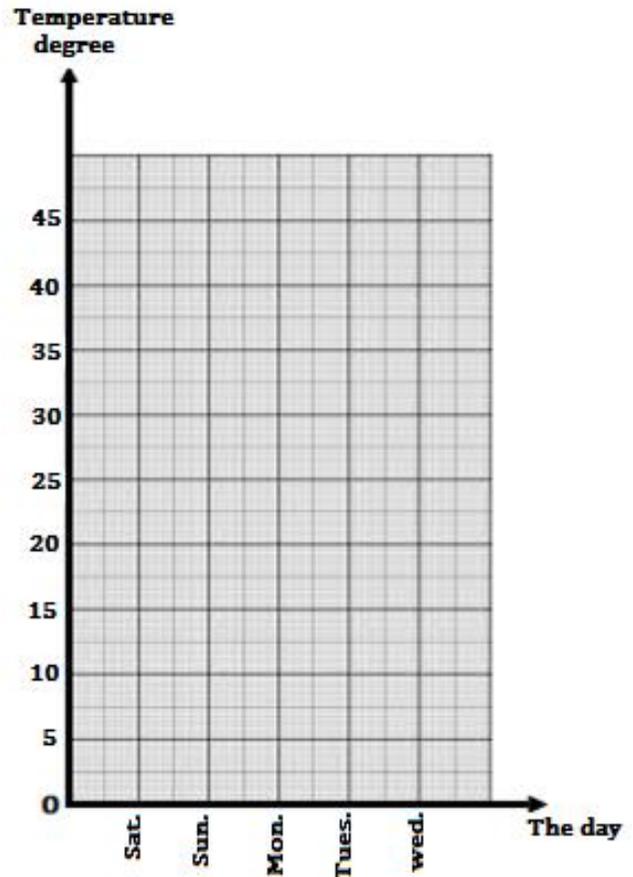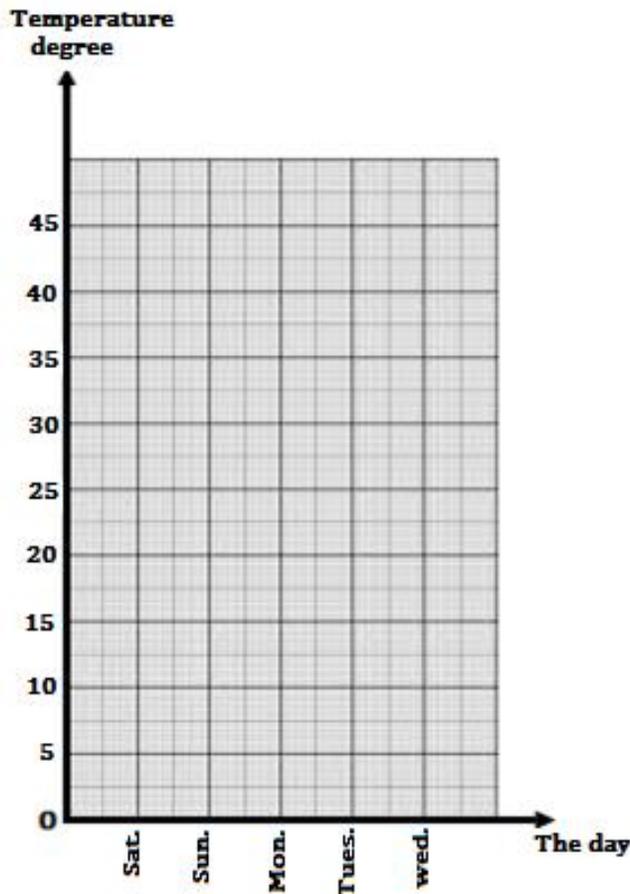
Model answer (Final revision)

A) (1) 2500   (2) 5   (3) 4800   (4) 24   (5) impossible

 (6) $\frac{8}{11}$ (7) 1016   (8) 21   (9) 303   (10) 210

 (11) $\frac{7}{8}$ (12) 75   (13) 8   (14) 42   (15) 9

 (16) $\frac{1}{9}$ (17) 37°C   (18) meter   (19) Half past twelve

 (20) multiplication   (21) =   (22) 254   (23) $\frac{1}{3}$

 (24) 6 tens + 2 hundreds   (25) <   (26) 20   (27) possible

 (28) $\frac{1}{2}$ (29) 0   (30) $\frac{8}{15}$
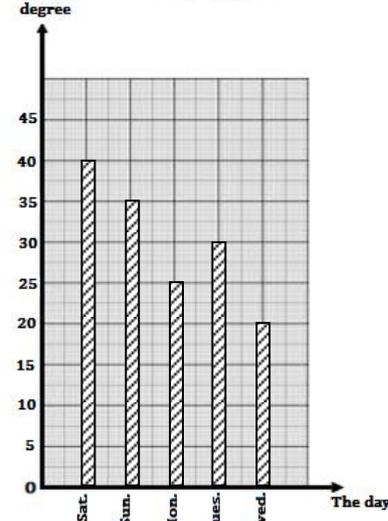

B) (1) It's quarter to three , 2:45   (2) 4 , 570   (3) 8,4

 (4) 100   (5) $\frac{7}{8}$ (6) 351, 1053   (7) 618

 (8) $\frac{2}{7}$, $\frac{2}{9}$ (9) $\frac{7}{9}$, $\frac{1}{3}$ (10) 3 × 4 =12

 (11) the sum of its side lengths   (12) side length × 4

 (13) (length+width) × 2   (14) 16   (15) 0,1   (16) 360÷3=120

C) (1) $\frac{1}{7}$, $\frac{2}{7}$, $\frac{3}{7}$, $\frac{5}{7}$, 1   (2) 6+8+10 =24   (3) 4+4+2+2+2+2=16

 (4) 30-18=12   (5)36,18

(6) a)   Temperature degree   broken line   Temperature degree   bar lines   b) Wednesday

        Saturday