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End of Term 1 Exam
Academic Year: 2017/2018
Grade: 6
Subject: **Mathematics**

امتحان الفصل الدراسي الأول
العام الدراسي: 2018/2017
الصّف: **السادس**
المادة: **الرياضيات**

اسم الطالب:

المدرسة:

الرقم في البرنامج:

الشعبة:



This table is to be filled by markers.

يُملأ هذا الجدول بدقة تامّة من قبل لجنة التّقدير.

| رقم السؤال Question No. | الدرجة Mark | | المقدّر 1 Marker 1 | المقدّر 2 Marker 2 | المراجع Reviser |
|----------------------------|---------------------|--------------------|-----------------------|-----------------------|--------------------|
| | رقماً In Figures | كتابةً In Words | التوقيع Sign | التوقيع Sign | التوقيع Sign |
| 1 | | | | | |
| 2 | | | | | |

| الدرجة Mark | رقماً In Figures | كتابةً In Words | المراجع العام Moderator | | |
|----------------------------------|---------------------|--------------------|----------------------------|--|-----------------|
| الدرجة المستحقة Allotted Mark | | | الاسم Name | | التوقيع Sign |
| الدرجة الكلية Full Mark | 100 | One Hundred | | | |



Subject: Mathematics

Grade: 6

Number of Pages: (7)

End of Term 1 Exam
Academic Year 2017/2018

Stream: General

Question 1

Circle the letter corresponding to the correct answer:

40

1) Find the greatest common factor GCF of 60 and 24.

a) 6

b) 12

c) 4

d) 8

2) Write the ratio of  to  in the figure.

a) $\frac{6}{3}$

b) $\frac{5}{9}$

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

d) $\frac{5}{4}$



3) Hessa and 3 of her friends visited the park and paid AED 36 to buy their tickets.

What is the price of one ticket?

a) 10

b) 13

c) 9

d) 12

4) The rate of 3 hours worked for AED 120 is equivalent to

a) 9 hour worked for AED 180

b) 18 hour worked for AED 180

c) 18 hour worked for AED 60

d) 9 hour worked for AED 360

5) Write $\frac{1}{20}$ as a decimal.

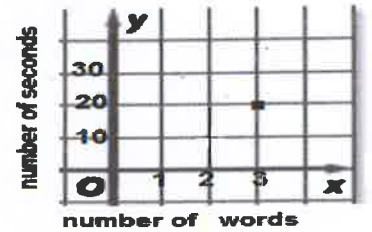
a) 0.5

b) 0.05

c) 0.2

d) 0.02

6) Salem prints words on a computer at the rate shown in the figure. Which of the following statements is correct?



- a) He prints 10 words per minute b) He prints 9 words per minute
 c) He prints 6 words per minute d) He prints 8 words per minute

7) 65% of students in grade 6 choose going on a trip as activity, while the remaining students choose reading. Find the rate of students who choose reading as a simple fraction.

- a) $\frac{25}{7}$ b) $\frac{7}{25}$ c) $\frac{20}{7}$ d) $\frac{7}{20}$

8) which of the following represents 175%?

- a) 0.175 b) $\frac{7}{4}$ c) 17.5 d) $\frac{175}{1000}$

9) Order 0.005, $\frac{2}{3}$, 0.25 from the least to the biggest.

- a) 0.005, 0.25, $\frac{2}{3}$ b) 0.25, 0.005, $\frac{2}{3}$ c) 0.005, $\frac{2}{3}$, 0.25 d) $\frac{2}{3}$, 0.005, 0.25

10) Write 18% as a decimal.

- a) 1.8 b) .018 c) 18.0 d) 0.18

11) Write $4\frac{1}{5}$ as a percentage.

a) 20%

b) 21%

c) 420%

d) 4%

12) 60 is 15% of which number?

a) 6

b) 400

c) 40

d) 4000

13) What is value of the product 1.12×0.05 ?

a) 0.560

b) 0.0056

c) 0.0560

d) 5.60

14) What is the best operation to estimate the value of $12.19 \div 3.7$?

a) $10 \div 4$

b) $10 \div 3$

c) $11 \div 3$

d) $12 \div 4$

15) Knowing that $4.5 \div 9 = 0.5$, which of the following is correct?

a) $0.45 \div 9 = 0.05$

b) $0.45 \div 9 = 0.005$

c) $0.045 \div 9 = 0.05$

d) $0.45 \div 9 = 0.5$

16) What is the best estimate in square centimeters of the area of the card shown on the side?



$17\frac{1}{9}$ cm

$19\frac{7}{8}$ cm

- a) 17×19 b) 18×19 c) 18×20 d) 17×20

17) $\frac{4}{6} \times 18$ is equal to

- a) $\frac{2}{3} \times 9$ b) $\frac{6}{4} \times 18$ c) $\frac{4}{1} \times 3$ d) $\frac{4}{1} \times 9$

18) The mixed number $2\frac{9}{10}$ is equal to

- a) $\frac{10}{9}$ b) $\frac{29}{10}$ c) $\frac{10}{29}$ d) $\frac{9}{10}$

19) If two fractions between 0 and 1 are multiplied, the result will be

- a) Greater than 1 b) Equal to 0 c) Less than 1 d) Equal to 1

20) The missing number in: $\frac{7}{8} > \boxed{?}$ may be

- a) $\frac{8}{9}$ b) $\frac{7}{10}$ c) $\frac{10}{7}$ d) $\frac{9}{8}$

Question 2

Show all the details in all your answers:

60

21) Fares cleans the garden every 2 days and cuts the grass every 5 days.

If Fares did both things today, after how many days would he do both of them again?



22) Sara makes dolls at a cost of AED 100 for 8 dolls.

Complete the ratio table below to find the cost of 36 dolls of the same kind.

| | | | |
|-----------------|-----|---|----|
| Number of dolls | 8 | ? | 36 |
| Cost in AED | 100 | ? | ? |



23) A bike is on sale for 9% off. Estimate the price of the bike while on sale.



24) Find the missing numbers in the following division.

$$\begin{array}{r}
 4 \square \\
 \hline
 26 \overline{) 1274} \\
 \underline{-10 \square} \\
 0 \square 34 \\
 \underline{- 2 \square 4} \\
 \hline
 000
 \end{array}$$

25) Nour needs $\frac{2}{3}$ cups of flower to make one pie. What is the greatest number of pies she will be able to make with $5\frac{1}{3}$ cups of flower ?



.....

The table below shows the distances which 3 students walk during break time. Answer questions (26, 27, 28).

| Student | Distance (m) | Time (min) |
|---------|--------------|------------|
| Saif | 300 | 6 |
| Khalifa | 450 | 5 |
| Omar | 700 | 10 |

26) What is the distance Khalifa walks if he walks 15 minutes at the same rate?

.....

27) How long does Omar take to walk 350m if he walks at the same rate?

.....

28) Who is the fastest student? Justify your answer.

.....

29) Evaluate the following quantities:

$$8 - 1.93 =$$

$$0.04 \times 0.32 =$$

.....

.....

$$4\frac{2}{3} \div 2\frac{2}{9} =$$

$$\frac{4}{9} \times \frac{3}{16} =$$

.....

.....

In the table below, Yasser records the types of juice that students prefer at lunch.
Answer questions 30 and 31.

| Juice | Number of Students |
|--------|--------------------|
| Berry | 3 |
| Orange | 6 |
| Banana | 8 |
| Apple | 7 |



30) Write the ratio of students who prefer banana juice to the total number of students in its simplest form, then explain its meaning.

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31) Write the percentage of students who prefer orange juice.

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End of Exam
Good Luck