

MAJOR MATH 4 – SEMESTER 2 FINAL TEST

Student's name: Class: Date: Time: 35 minutes	SCORE /10
--	------------------------------

1. Match.

...../1.5

a)	It's an obtuse angle.	•	•	It's less than 90 degrees. ($a < 90^\circ$)
b)	It's a right angle.	•	•	It's greater than 90 degrees and less than 180 degrees. ($90^\circ < a < 180^\circ$)
c)	It's an acute angle.	•	•	It's 90 degrees. ($a = 90^\circ$)
d)	It's a straight angle.	•	•	It's 180 degrees. ($a = 180^\circ$)
e)	It's a rhombus.	•	•	A flat shape with 4 sides that opposite sides are parallel and equal in length.
f)	It's a parallelogram.	•	•	A flat shape with 4 sides that opposite sides are parallel and all sides are equal in length.

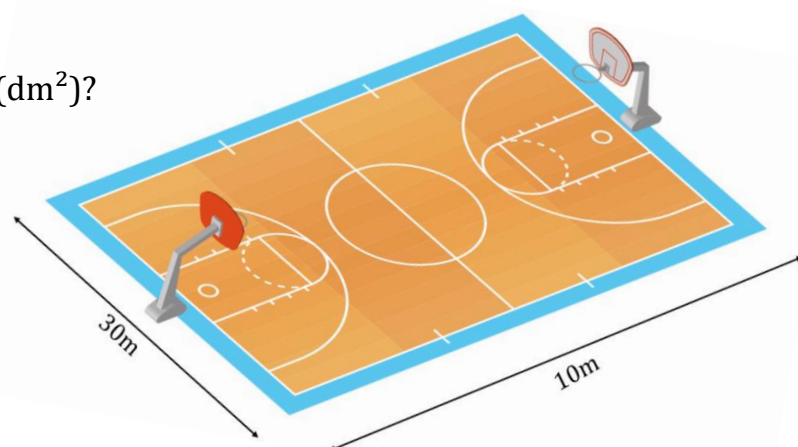
2. Look at the pictures and answer the following questions.

...../2

a) What is the area of the basketball court in square meters (m^2) and square decimeters (dm^2)?

.....

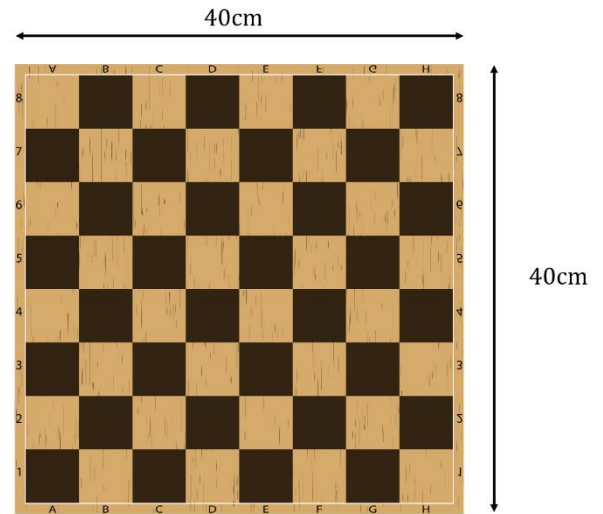
.....



b) What is the area of the chess board in centimeters (cm²) and millimeters (mm²)?

.....

.....



3. Convert the units of area and write the answers.

...../2

a) 7m²

=dm²

=cm²

b) 1 700dm²

=cm²

=mm²

c) 18m²

=cm²

=mm²

d) 4 500cm²

=dm²

=mm²

4. Write fractions in their simplest forms.

...../1.5

a) $\frac{10}{15}$ in simplest form is $\frac{\boxed{}}{\boxed{}}$.

d) $\frac{6}{8}$ in simplest form is $\frac{\boxed{}}{\boxed{}}$.

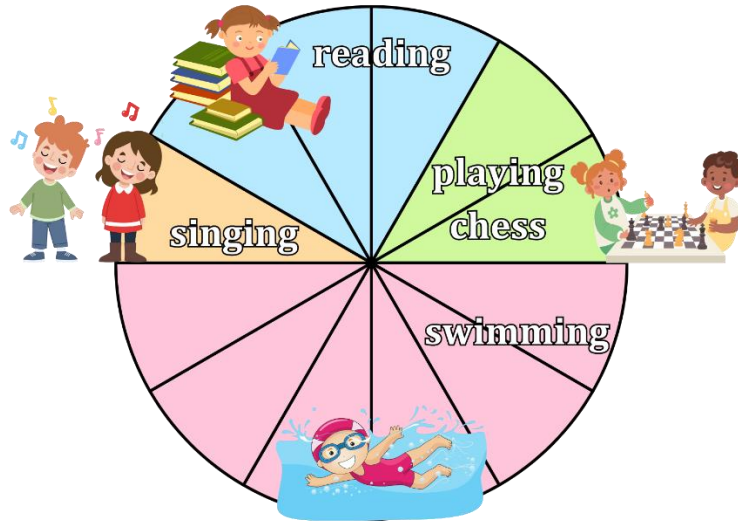
b) $\frac{9}{21}$ in simplest form is $\frac{\boxed{}}{\boxed{}}$.

e) $\frac{14}{20}$ in simplest form is $\frac{\boxed{}}{\boxed{}}$.

c) $\frac{12}{20}$ in simplest form is $\frac{\boxed{}}{\boxed{}}$.

f) $\frac{6}{15}$ in simplest form is $\frac{\boxed{}}{\boxed{}}$.

5. The picture shows a fraction of students with different hobbies. Look and circle the correct answer. /1



a) What is the fraction of the students who like reading?

- A. $\frac{1}{4}$ B. $\frac{1}{3}$

c) What is the fraction of the students who like swimming and playing chess?

- A. $\frac{3}{4}$ B. $\frac{2}{3}$

b) What is the fraction of the students who like reading, playing chess and swimming?

- A. $\frac{11}{12}$ B. $\frac{10}{12}$

d) What is the fraction of the students who like singing and reading?

- A. $\frac{1}{3}$ B. $\frac{2}{3}$

6. Read and answer the following questions. /1

a) Mom ate $\frac{3}{4}$ of the pizza and Sally ate $\frac{1}{8}$ of the same pizza. How much of the pizza did they eat together?

.....

.....

.....

b) Mia ran $\frac{1}{2}$ of the race and Tim ran $\frac{3}{4}$ of the race. How much farther did Tim swim than Mia?

.....

.....

.....