

MAJOR MATH 4 – SEMESTER 2 FINAL TEST

Full name: Class: Time: 35 minutes	SCORE
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1. Match. (0.25/each)

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. Read and answer questions. (1/each)

- a) 300m^2 and 3dm^2 .
- b) 1600cm^2 and $160\,000\text{mm}^2$.

3. Convert the units of area and write the answers. (0.25/each)

a) 7m^2

$$= 700\text{dm}^2$$

$$= 70\,000\text{cm}^2$$

b) $1\,700\text{dm}^2$

$$= 170\,000\text{cm}^2$$

$$= 17\,000\,000\text{mm}^2$$

c) 18m^2

$$= 180\,000\text{cm}^2$$

$$= 18\,000\,000\text{mm}^2$$

d) $4\,500\text{cm}^2$

$$= 45\text{dm}^2$$

$$= 450\,000\text{mm}^2$$

4. Write fractions in their simplest forms. (0.25/each)

a) $\frac{10}{15}$ in simplest form is $\frac{\boxed{2}}{\boxed{3}}$.

b) $\frac{9}{21}$ in simplest form is $\frac{\boxed{3}}{\boxed{7}}$.

c) $\frac{12}{20}$ in simplest form is $\frac{\boxed{3}}{\boxed{5}}$.

d) $\frac{6}{8}$ in simplest form is $\frac{\boxed{3}}{\boxed{4}}$.

e) $\frac{14}{20}$ in simplest form is $\frac{\boxed{7}}{\boxed{1}}$.

f) $\frac{6}{15}$ in simplest form is $\frac{\boxed{2}}{\boxed{5}}$.

5. The picture shows fraction of students with different hobbies. Look and circle the correct answer. **(0.25 / each)**

- a) A
- b) A
- c) B
- d) A

6. Read and answer the following questions. **(0.5 / each)**

a) They : $\frac{\boxed{1}}{\boxed{8}}$ of the pizza.

b) Tim swim farther than $\frac{\boxed{1}}{\boxed{4}}$ of the race.