



وزارة التربية والتعليم و التعليم الفنى
الإدارة المركزية للتعليم العام
إدارة تنمية مادة الرياضيات

برعاية معالي وزير التربية والتعليم و التعليم الفنى السيد الأستاذ/ محمد عبد اللطيف

وتوجيهات رئيس الإدارة المركزية للتعليم العام

د/ هالة عبد السلام خفاجى

إشراف علمي
مستشار الرياضيات
أ/ منال عزقول

أداءات وتقييمات لمنهج تطبيقات الرياضيات لغات

للفصف الثانى الثانوي "علمى"
الفصل الدراسى الأول
للعام الدراسى 2025 / 2026

الأسبوع الحادى عشر

لجنة الإعداد

أ/ محمد عبد العاطى أ/ محمود السيد محمد أ/ عفاف جاد

ترجمة

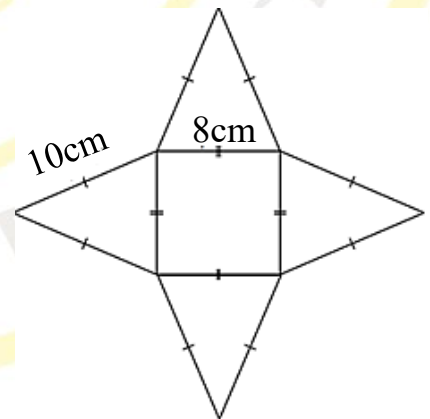
أ/ محمود سليمان نظيم

مراجعة الترجمة

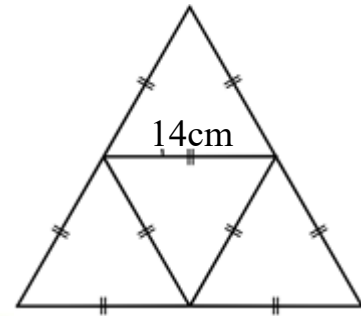
أ/ شريف البرهامى

11 الأداء الصفي - الصف الثاني الثانوي - علمي - تطبيقات الرياضيات لغات - الأسبوع الحادي عشر 11

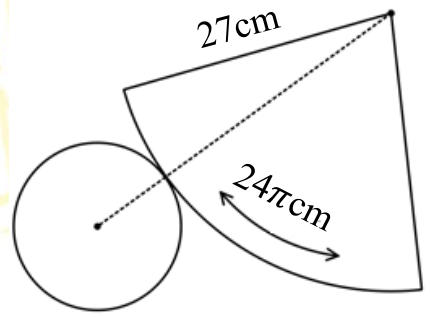
- (1) State the properties of the regular triangular pyramid.
- (2) MABCD is a regular quadrangular pyramid with a base length of 18 cm and a height of 12 cm, find its slant height.
- (3) MABCD is a regular quadrangular pyramid with a base length of 30 cm and a slant height of 17 cm, find the height of the pyramid.
- (4) MABCD is a regular quadrangular pyramid with a height of 4 cm and a slant height of 5 cm, find the area of its base.
- (5) MABCD is a regular quadrangular pyramid with a base area of 50 cm^2 and a lateral edge length of 13 cm, find its height.
- (6) MABC is a regular triangular pyramid with a base side length of 26 cm and a height of 18 cm, find the length of its edge and its slant height.
- (7) MABC is a regular triangular pyramid with a face length of 10 cm, find its height.
- (8) The opposite figure represents a net of a regular quadrangular pyramid. Find the height of the pyramid.



- (9) The opposite figure represents
a net of a regular triangular pyramid.
Find its height.



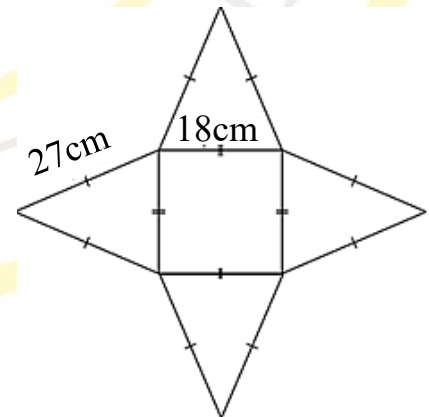
- (10) A right circular cone with a base radius of 5 cm and a height of 12 cm.
Find the length of its drawer.
- (11) A right circular cone with a base perimeter of 8π cm and a radius
length of 5 cm. Find its height.
- (12) A right circular cone with a height of 5 cm and drawer length
of 13 cm. Find its base area.
- (13) The opposite figure:
represents a net of a right circular
cone. Find the height of the cone.



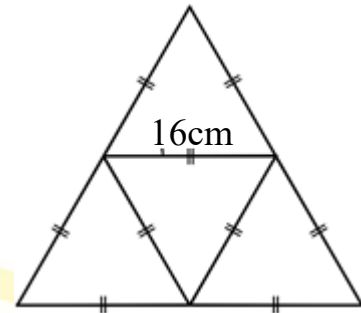
- (14) A regular quadrangular pyramid with a base side length of 16 cm and
a height of 15 cm. Find its lateral area.
- (15) A right circular cone with a base radius of 40 cm and a height of 9 cm.
Find its lateral area.

11 الأداء المنزلي - الصف الثاني الثانوي - علمي - تطبيقات الرياضيات لغات - الأسبوع الحادي عشر **11**

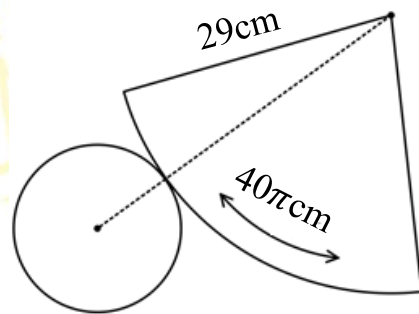
- (1) State three properties of a regular pyramid.
- (2) MABCD is a regular quadrangular pyramid with a base length of 8 cm and a height of 3 cm, find its slant height.
- (3) MABCD is a regular quadrangular pyramid with a base side length of 16 cm and a slant height of 17 cm, find the height of the pyramid.
- (4) MABCD is a regular quadrangular pyramid with a height of 24 cm and a slant height of 25 cm, find the area of its base.
- (5) MABCD is a regular quadrangular pyramid with a base area of 128 cm^2 and a lateral edge length of 10 cm, find its height.
- (6) MABC is a regular triangular pyramid with a base side length of $8\sqrt{3} \text{ cm}$ and a height of $8\sqrt{2} \text{ cm}$, find the length of its edge and its slant height.
- (7) MABC is a regular triangular pyramid with a face length of 6 cm, find its height.
- (8) The opposite figure represents a net of a regular quadrangular pyramid. Find the height of the pyramid.



- (9) The opposite figure represents a net of a regular triangular pyramid. Find its height.



- (10) A right circular cone with a base radius of 8 cm and a height of 6 cm. Find the length of its drawer.
- (11) A right circular cone with a base perimeter of 12 cm and a radius length of 12 cm. Find its height.
- (12) A right circular cone with a height of 60 cm and drawer length of 61 cm. Find its base area.
- (13) The opposite figure: represents a net of a right circular cone. Find the height of the cone.



- (14) A regular quadrangular pyramid with a base side length of 14 cm and a height of 24 cm. Find its lateral area.
- (15) A right circular cone with a base radius of 4 cm and a height of 3 cm. Find its lateral area.

11 التقييمات الأسبوعية- الصف الثانى الثانوى- علمى- تطبيقات الرياضيات لغات- الأسبوع الحادى عشر 11

First Group

- (1) MABCD is a regular quadrilateral pyramid with a base side length of 16 cm and a height of 6 cm, Find its total area.
- (2) MABC is a regular triangular pyramid with a side length of $15\sqrt{3}$ cm, Find its total area.
- (3) A right circular cone with a base radius of 12 cm and a height of 5 cm, Find its total area.
- (4) A right circular cone with a side area of $192 \pi \text{ cm}^2$ and a drawer of 12 cm, find the circumference of its base.
- (5) A regular quadrilateral pyramid with a base side length of 10 cm and a height of 12 cm, Find its lateral area.

Second Group

- (1) MABCD is a regular quadrilateral pyramid with a base side length of 6 cm and a height of 4 cm, Find its total area.
- (2) MABC is a regular triangular pyramid with a side length of $20\sqrt{3}$ cm, Find its total area.
- (3) A right circular cone with a base radius of 8 cm and a height of 6 cm, Find its total area.
- (4) A right circular cone with a lateral area of $420 \pi \text{ cm}^2$ and a drawer of 14 cm, Find the circumference of its base.
- (5) A regular quadrilateral pyramid with a base side length of 16 cm and a height of 6 cm, Find its lateral area.

Third Group

- (1) MABCD is a regular quadrilateral pyramid with a base side length of 10 cm and a height of 12 cm, Find its total area.
- (2) MABC is a regular triangular pyramid with a lateral edge length of $9\sqrt{3}$ cm, Find its total area.
- (3) A right circular cone with a base radius length of 24 cm and a height of 7 cm, Find its total area.
- (4) A right circular cone with a lateral area of $405 \pi \text{ cm}^2$ and a drawer length of 15 cm, Find the circumference of its base.
- (5) A regular quadrilateral pyramid with a base side length of 6 cm and a height of 4 cm, Find its lateral area.