

اختبار في التحويلات والتشابه



تم تحميل هذا الملف من موقع المناهج الإماراتية

موقع المناهج ← المناهج الإماراتية ← الصف الثامن ← رياضيات ← الفصل الثالث ← ملفات متنوعة ← الملف

تاريخ إضافة الملف على موقع المناهج: 2026-05-16 17:38:28

ملفات اكتب للمعلم اكتب للطالب | اختبارات الكترونية | اختبارات | حلول | عروض بوربوينت | أوراق عمل
منهج انجليزي | ملخصات وتقارير | مذكرات وبنوك | الامتحان النهائي | للمدرس

المزيد من مادة
رياضيات:

التواصل الاجتماعي بحسب الصف الثامن



صفحة المناهج
الإماراتية على
فيسبوك

الرياضيات

اللغة الانجليزية

اللغة العربية

التربية الاسلامية

المواد على تلغرام

المزيد من الملفات بحسب الصف الثامن والمادة رياضيات في الفصل الثالث

حل أوراق عمل الوحدة السابعة التطابق والتشابه

1

مراجعة الوحدة السابعة الجزء الأول التطابق والتشابه

2

مراجعة الوحدة السابعة التطابق والتشابه من الدرس 1 إلى 4

3

الوحدة السابعة أوراق عمل الوحدة 7 التطابق والتشابه

4

منهج ريفيل اختبار الوحدة الثامنة التحويلات الهندسية غير محلول

5



وزارة التربية والتعليم
MINISTRY OF EDUCATION

اختبار الرياضيات ريفيل الصف الثامن الوحدة التاسعة الفصل الثالث لعام 2025 - 2026

احجز مكانك واستعد للامتحان بثقة كاملة

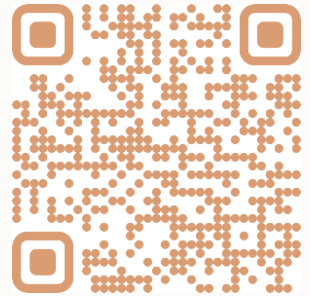
احصل على الشرح الكامل للصف من خلال:

التواصل والحجز عبر الـ Whatsapp
اضغط على الرقم: 0566991363



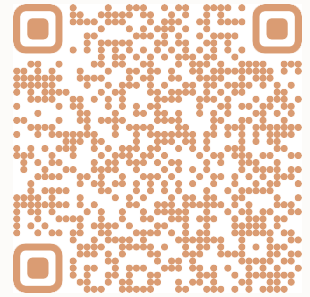
Mr. Aghead

للتواصل والحجز

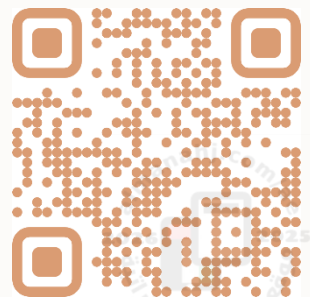


للانتقال إلى المواقع
اضغط هنا

شرح الدروس



انضم للقناة



يمكنكم الحصول على

شرح دروس
الفصل كاملاً

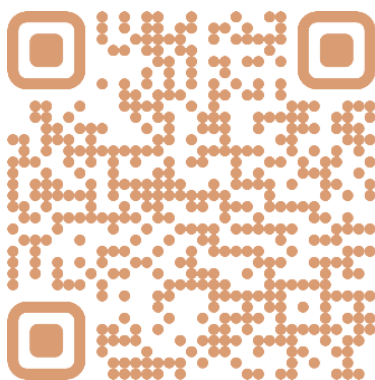
بـ 99
درهم فقط

ملزمة محلولة
بالكامل

اختبارات مع الحل

إن الاشتراك شامل لكامل الفصل الدراسي

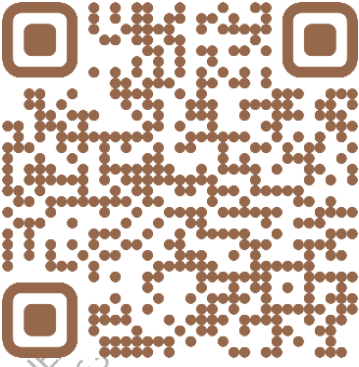
لا تتردد في التواصل
معنا قم بمسح الـ QR



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اختبار الوحدة التاسعة

الأسئلة الموضوعية - MCQ



لا تتردد في التواصل معنا
قم بمسح الـ QR

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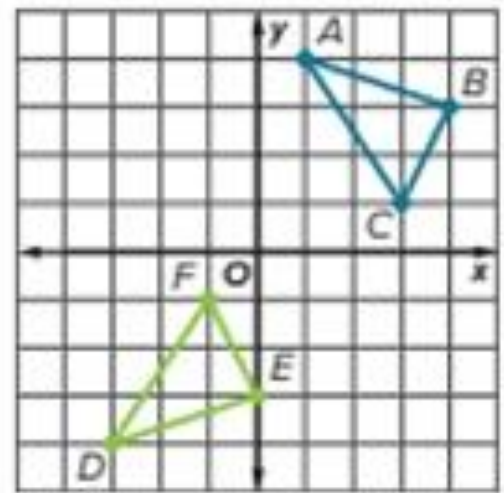
Mr. Aghead

Question N.1: Two figures are considered congruent in the coordinate plane if:

- A. One can be mapped onto the other using only rigid transformations (translation, reflection, rotation).
- B. They have the same number of vertices regardless of their side lengths.
- C. One is a dilation (scaled version) of the other.
- D. They occupy the same quadrants in the coordinate plane.

Question N.2: Look at the two triangles ABC and DEF in the coordinate plane. Determine if they are congruent and identify the sequence of transformations that maps ABC onto DEF.

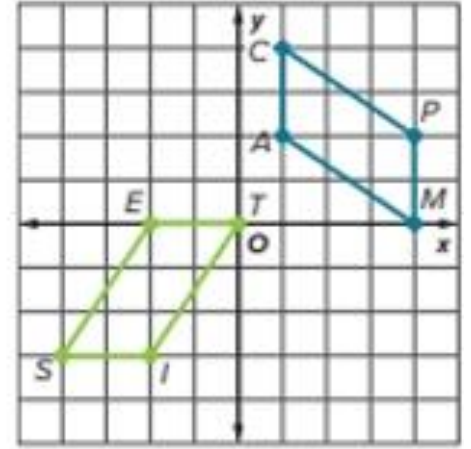
- A. No, they are not congruent because their side lengths are different.
- B. Yes, they are congruent; ABC was reflected across the x-axis and then translated 2 units left.
- C. Yes, they are congruent; ABC was rotated 180 degrees about the origin and then translated 1 unit to the left.
- D. Yes, they are congruent; ABC was only translated 5 units down and 4 units left.



Question N.3: Parallelogram CAMP is congruent to parallelogram SITE.

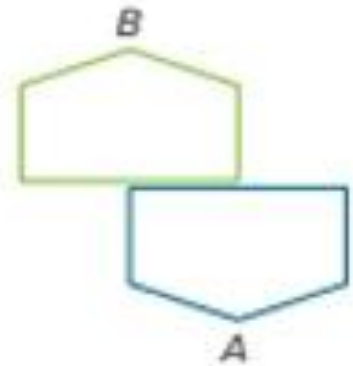
Which sequence of transformations maps parallelogram CAMP onto parallelogram SITE?

- | |
|---|
| A. A reflection across the x-axis followed by a translation of 3 units left and 2 units down. |
| B. A rotation of 90 degrees counterclockwise about the origin followed by a translation of 1 unit up. |
| C. A reflection across the y-axis followed by a translation of 5 units down. |
| D. A rotation of 180 degrees about the origin followed by a translation of 2 units left. |



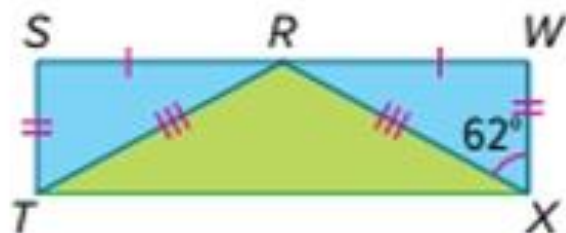
Question N.4: Manuel created a logo where Figure A is the preimage and Figure B is the image. What transformations could be used to create this logo, and are the two figures congruent?

- | |
|---|
| A. A rotation of 90 degrees and a translation; the figures are not congruent. |
| B. A reflection and a translation; the figures are congruent. |
| C. Only a translation; the figures are congruent. |
| D. A reflection and a dilation; the figures are not congruent. |



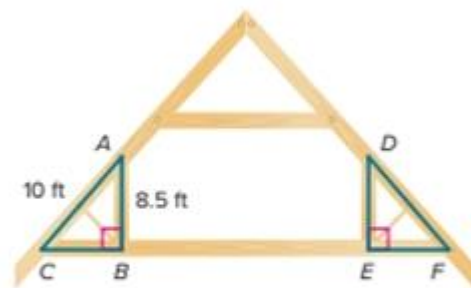
Question N.5 In the quilt design shown, it is given that $RST \cong RWX$. If the measure of angle WXR is 62 degrees, what is the measure of its corresponding angle STR ?

A. 28.
B. 62.
C. 90.
D. 118.



Question N.6: In the roof construction shown, triangle $ABC \cong DEF$. If $AB = 8.5$ feet and $AC = 10$ feet, what is the length of EF ? (Round your answer to the nearest tenth).

A. 5.3 feet.
B. 8.5 feet.
C. 10.0 feet.
D. 13.1 feet.



Question N.7: If triangle ABC is similar to triangle DEF , which of the following must be true about their angles?

A. Corresponding angles are proportional.
B. The sum of angles in triangle DEF is larger than in ABC .
C. Only the right angles are congruent.
D. Corresponding angles are congruent.

Question N.8: Which sequence of transformations can be used to show that two figures are similar but not necessarily congruent?

A. dilation and rotation.
B. translation and reflection.
C. reflection and rotation.
D. rotation and translation.

Question N.9 Which sequence of transformations maps rectangle ABCD onto rectangle EFGH to show they are similar?

A. A dilation with a scale factor of 0.5 followed by a translation 3 units right and 1 unit up.
B. A dilation with a scale factor of 2 followed by a reflection across the y-axis.
C. A translation 4 units right followed by a rotation of 90 clockwise.
D. A reflection across the x-axis followed by a dilation with a scale factor of 0.5.

Question N.10: Which of the following conditions is REQUIRED for two polygons to be considered similar?

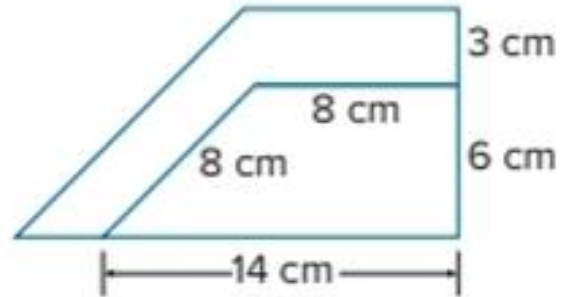
A. All sides must be equal in length.
B. Corresponding angles must be congruent, and corresponding sides must be proportional.
C. The figures must have the same area.
D. The figures must be in the same orientation.

Question N.11: If $ABC \sim XYZ$, which angle in the second triangle corresponds to angle B?

A. Y.
B. X.
C. Z.
D. A.

Question N.12: Samantha made a design using two similar quadrilaterals. The smaller quadrilateral has side lengths of 6 cm, 8 cm, 8 cm, and 14 cm. She enlarged it to create a larger quadrilateral using a scale factor that increased the 6-cm side to 9 cm. What is the total length of craft wire Samantha used for both quadrilaterals?

A. 36 cm.
B. 54 cm.
C. 72 cm.
D. 90 cm.



Question N.13: A 5-foot tall person casts a 2-foot shadow. At the same time, a nearby flagpole casts a 10-foot shadow. What is the height of the flagpole?

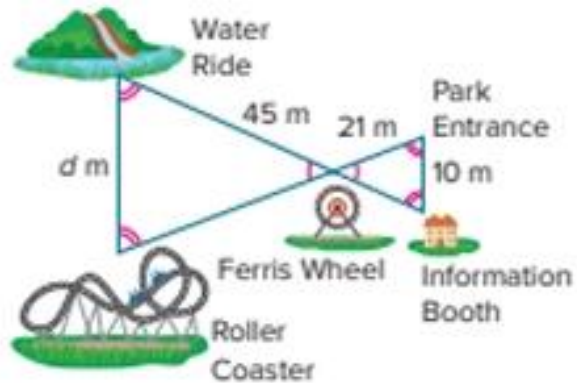
A. 4 feet.
B. 20 feet.
C. 25 feet.
D. 50 feet

Question N.14: What is the primary geometric principle used in indirect measurement?

A. The Pythagorean Theorem.
B. The properties of similar triangles.
C. Calculating the area of complex polygons.
D. The Law of Sines.

Question N.15: In the figure, the triangles are similar. What is the distance d from the water ride to the roller coaster? (Round your answer to the nearest tenth).

A. 18.5 m.
B. 21.4 m.
C. 23.1 m.
D. 94.5 m.



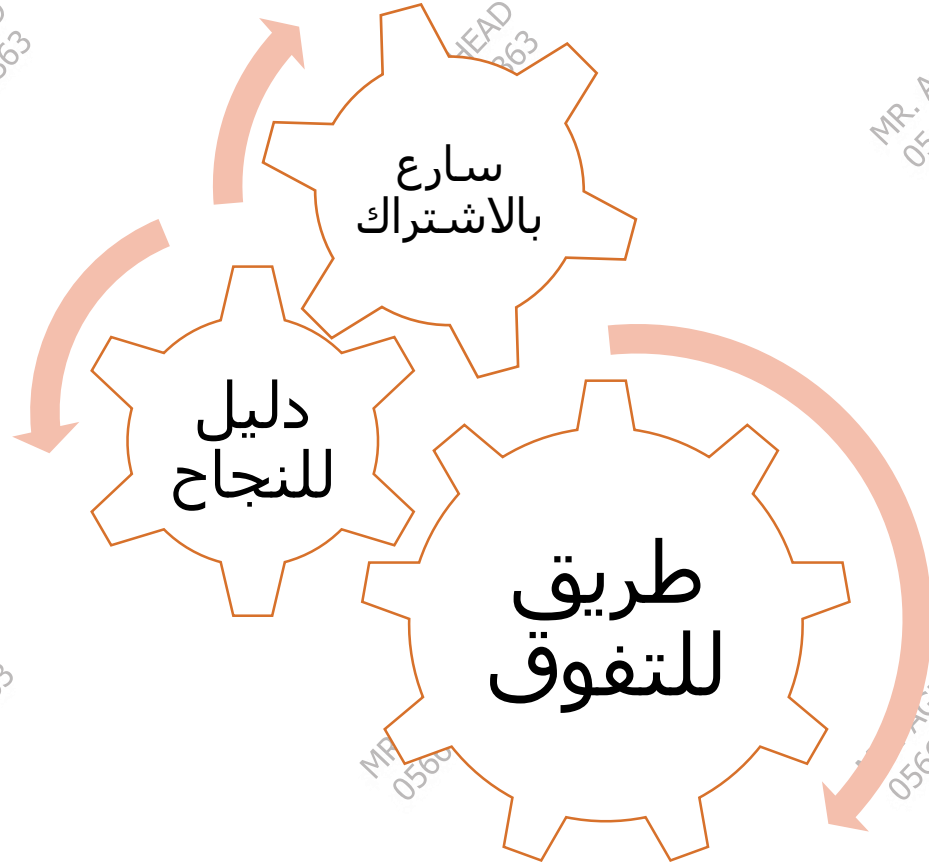
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مع أطيب التمنيات بالنجاح والتوفيق ...
النهاية ...

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