



International School of Paris
Educating *for* complexity



IXL Parent Workshop

Tuesday, January 16th 2024

6:30 - 7:15 PM

If you have access to your child's IXL, you can follow along on the website

IXL vs. Khan Academy



- Video lessons
- Exercises get progressively more challenging
- Strong data analysis
- Has Diagnostic Assessment
- Professional Development for teachers
- Paid (by ISP Math Department budget)



- Video lessons
- No progression of challenge in exercises
- Limited data analysis to track student achievement
- No Diagnostic Assessment
- Free

Logging In

URL:

<https://www.ixl.com/signin/intschoolofparis>

QR Code:



School Gmail



Sign in

Sign in as ixl
ixl@isparis.net



or

Username

Forgot username?

@intschoolofparis

Password

Forgot password?

☐ Remember

Sign in

IXL Dashboard

Let's start here



What should I work on?

☆ From your teacher

🕒 Recent skills

🔍 Recommendations

Focus on



Work towards



★ Slope-intercept form: write an equation from a graph (81) 📊

9GW Algebra 1, L.5



★ Slope-intercept form: graph an equation

UWB Algebra 1, L.4



★ Slope-intercept form: find the slope and y-intercept

R5T Algebra 1, L.3



★ Find the slope from two points (0)

MD5 Algebra 1, K.2



★ Find the slope of a graph

E7D Algebra 1, K.1



Keep your Real-Time
Diagnostic up to date!

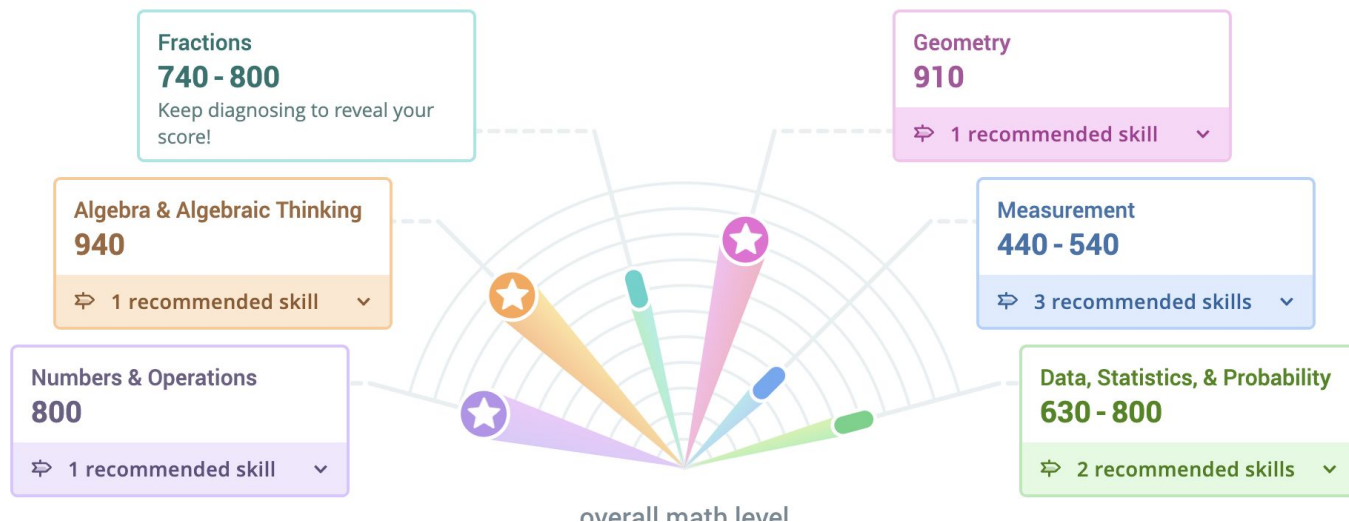
It helps us recommend the best skills for
you to practice.

[Diagnostic Action Plan >](#)

[Step into the Arena >](#)

Diagnostic Assessment

- Good exercise to complete 10-15 minutes per week.
- Adaptive – Begins at students' grade level and gets harder when questions are answered correctly and simpler when questions are answered incorrectly.
- “Feeds” the recommendation wall



Interpreting Results of the Diagnostic Assessment

Keep diagnosing to reveal all of your levels!

Step into the Arena

Fractions

740 - 800

Keep diagnosing to reveal your score!

Algebra & Algebraic Thinking

940

1 recommended skill

Numbers & Operations

800

1 recommended skill

Geometry

910

1 recommended skill

Measurement

440 - 540

3 recommended skills

Data, Statistics, & Probability

630 - 790

2 recommended skills

overall math level

800 - 870

Interpreting the score

8 00

Grade Level*

**based from U.S. standards*

Percentage
achieved in
grade level

Diagnostic Action Plan

As a parent, how can you specifically know which gaps are in your child's background knowledge?

And how can you help your child work to address those gaps?

Found at the bottom of the **Assessment** Page (underneath the Diagnostic Scores)



Want a full report of your current levels and recommended skills?

[Print Diagnostic Action Plan](#)

IXL Dashboard

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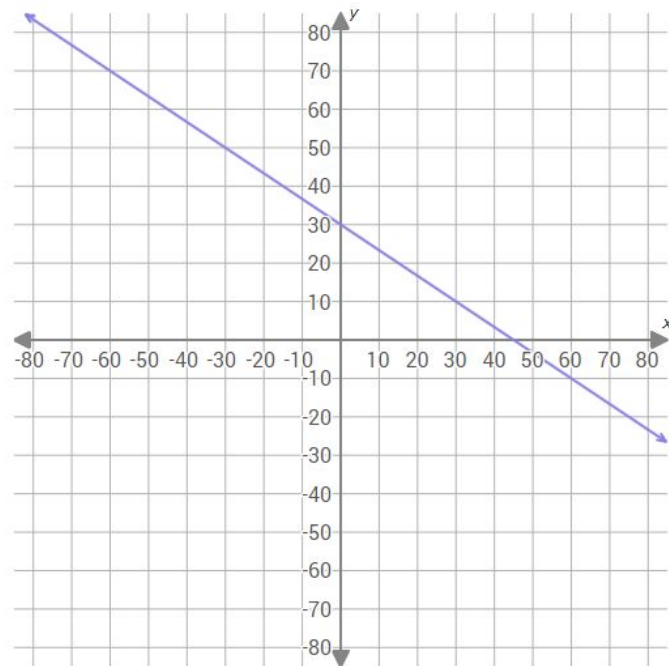
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Write the equation of this line in slope-intercept form.



Write your answer using integers, proper fractions, and improper fractions in simplest form.



Submit

Video

Questions
answered

22

Time
elapsed

00 06 14
HR MIN SEC

SmartScore
out of 100 ?

74



Features of Activities – on the right

Advisable for students to take notes if watching

Sometimes there is a fully worked example here too

Video 

Questions answered

21

Time elapsed

00 06 22
HR MIN SEC

SmartScore
out of 100 

81



No impact on completing activity

Questions become harder as students make progress

Recommend to use notebook instead



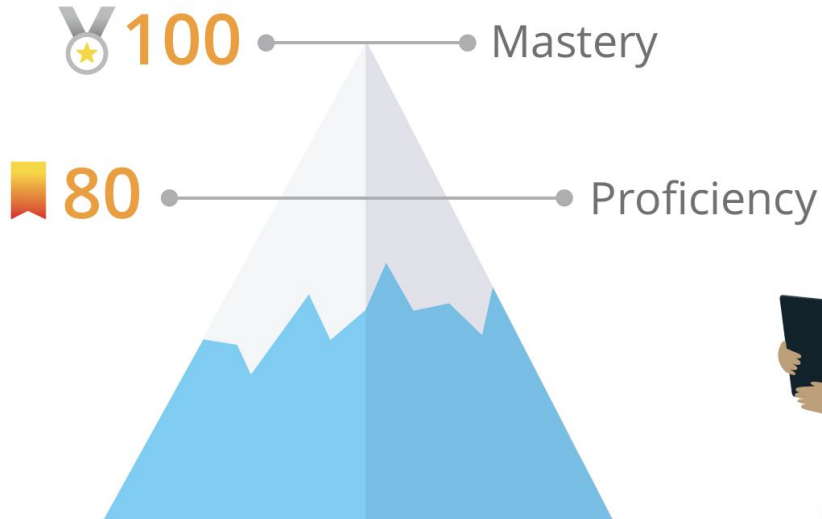
Smart Scores

The SmartScore ranges from 0-100, but it is not a percentage score. It's calculated based on question difficulty, answer accuracy, and consistency.

When your child is getting the hang of the concept, their SmartScore will increase, and their questions will get harder.

When your child gets a question wrong, their SmartScore will drop, and they will get easier questions. This gives them more time to solidify their knowledge!

Your child can keep practicing to increase their score. If their goal is to reach 100, it's always possible!



Recommendations

- Students do not need to work up to 100%.
- If they are feeling confident and choose themselves, then they can work to 100%
- If your child is struggling and gets to 80%, that is an achievement.

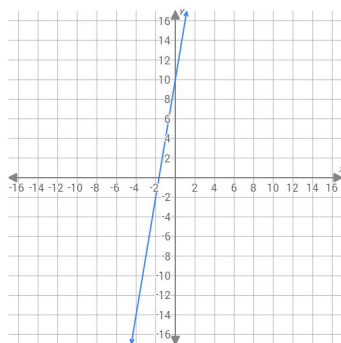
If the student is incorrect...

The correct answer is:

$$y = 6x + 10$$

Explanation

Write the equation of this line in slope-intercept form.



Write your answer using integers, proper fractions, and improper fractions in simplest form.

You answered:

4

This is the **slope-intercept form** for the equation of a line with slope m and y -intercept b .

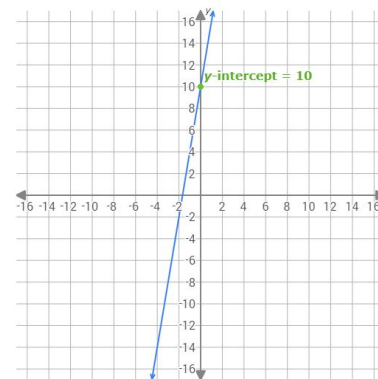
$$y = mx + b$$

The **slope**, m , measures the line's steepness and direction. You can use this formula to find the slope of a line.

$$m = \frac{\text{rise}}{\text{run}} = \frac{\text{change in } y}{\text{change in } x}$$

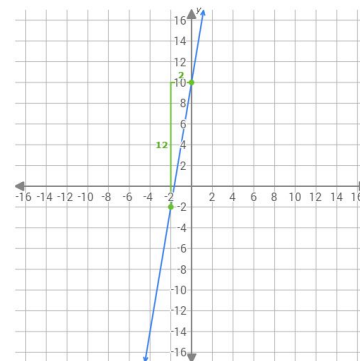
The **y-intercept**, b , is the value of y where the line crosses the y -axis.

First, find the y -intercept of the line. Since the line crosses the y -axis at $(0, 10)$, the y -intercept is $b = 10$.



Next, find the slope. One point on the line is $(0, 10)$. Pick another point on the line, like $(-2, -2)$.

To get from $(-2, -2)$ to $(0, 10)$, move up 12 units and right 2 units.



Since the change in y is 12 and the change in x is 2, the slope of the line is $m = \frac{12}{2}$, which simplifies to $m = 6$.

Finally, write the equation of the line in slope-intercept form.

$$y = mx + b$$

$$y = 6x + 10$$

If the activity is too challenging...

Student scrolls down on the activity they are working on to find:

Write your answer using integers, proper fractions, and improper fractions in simplest form.



Submit

Work it out

Not feeling ready yet? These can help:



Find the slope of a graph



Write a linear equation from a slope and y-intercept



Slope-intercept form: graph an equation



Lesson: Slope-intercept form


Recommendation Wall


Based on the performance from...


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🕒 Recent skills


 Recommendations

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Step into the Arena >

Student or Parent Selecting Activities

The screenshot shows the IXL Learning interface. At the top is a green navigation bar with the IXL logo on the left and four menu items: 'My IXL', 'Learning' (highlighted with a red box), 'Assessment', and 'Analytics'. Below the navigation bar, there are four main sections: 'Math', 'Takeoff', 'Skill plans', and 'Awards'. Under 'Math', there is a sub-menu with 'Skills' (highlighted with a red box), 'Lessons', 'Videos', and 'Games'. A red arrow labeled '#2' points to the 'Skills' box. Under 'Takeoff', there is a 'Recommendations' section with a 'Recommendations wall' link. A red arrow labeled '#1' points to the 'Recommendations' section. Under 'Skill plans', there are links for 'IXL plans', 'Textbooks', and 'Test prep'. Under 'Awards', there are links for 'Math awards' and 'Certificates center'.

The screenshot shows the IXL Skills page. At the top, there is a 'Math' header with a pyramid icon. Below it, there is a 'View by:' section with two options: 'Grades' (highlighted with a blue box) and 'Topics' (underlined). A red arrow labeled '#3' points to the 'Grades' box.

- Can either be sorted by Grade Level or Topic.
- Grade Level does not exactly align with the ISP Curriculum, but it is close.
- Topic may be an easier way to search.

Analytics

Analytics Splash Page


IXL My IXL Learning Assessment Analytics


Usage **Trouble Spots** Scores Questions Progress Summary


SKILL GRADES: Pre-K - 12 ▾ DATE RANGE: This school year ▾

STUDENT SUMMARY


Test's IXL accomplishments

 **ANSWERED**
27
QUESTIONS

 **SPENT**
6 min
PRACTICING

 **MADE PROGRESS IN**
2
SKILLS

MATH SKILLS PRACTICED

 **2** skills

- Algebra and algebraic thinking

Test has learned the following skills:

Subject	Skill	Last practiced

No skills proficient

You have started practicing but haven't quite reached proficiency in a skill. Keep practicing today!

Test's areas to focus on

Test could use extra support on these skills:

Subject	Skill	Questions missed
Math	Find the slope from two points HDS	5
Math	Slope-intercept form: write an equation from a graph HGW	3
		More details >

IXL's instructional resources—including video tutorials, lessons, learn with an example, and detailed answer explanations—are easy to access and available whenever students need them. Remind your student to carefully read explanations before moving on to the next question!



Test has 3 suggested skills to start working on.
[View the dashboard to see all 5 skills Test's teachers have assigned.](#)
[View suggested skills >](#)



Test's biggest opportunity for growth is in: **Numbers and operations.**
Test's personalized action plan, based on their IXL Diagnostic results, identifies the exact areas and skills Test can work on next to boost progress.
[View 9 personalized skill recommendations >](#)

How you can support Test at home



Encourage Test's at-home practice

Test can work on IXL skills in the classroom and at home! Sign in to access unlimited practice in 9,000+ skills.

[Sign in now >](#)
[Learn how to sign in >](#)



Help Test learn on any device

Take learning on the go with the IXL mobile app! The IXL app is fun, easy to use, and works on phones and tablets.

[Download the app >](#)



Sign in and view Test's progress

Access reports that give insight into Test's work on IXL. See exactly what they've accomplished and where they may need additional support.

[Get the IXL Analytics guide >](#)
[See IXL Analytics in action >](#)



Stay up to date on IXL

Learn about the latest IXL features and boost Test's progress with resources that help them get the most out of IXL.

[Visit the IXL blog >](#)

Trouble Spots

TROUBLE SPOTS

Ways to help Test right now...

A1 (K.2) Find the slope from two points

Search shortcut: MD6

MISSED QUESTIONS FROM THIS ITEM TYPE

Find the slope of the line that passes through $(7, 5)$ and $(9, 4)$.

Simplify your answer and write it as a proper fraction, improper fraction, or integer.

☆ Current SmartScore: 0 | ⚠ 5 missed questions from this item type

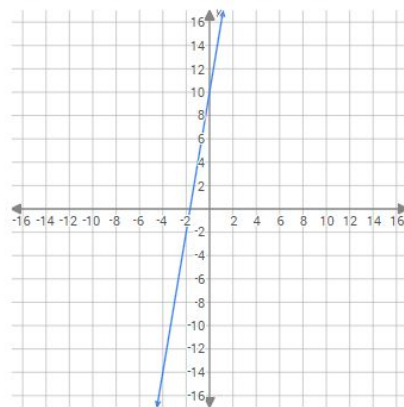
[View Test's Questions log](#)

A1 (L.5) Slope-intercept form; write an equation from a graph

Search shortcut: 9GW

MISSED QUESTIONS FROM THIS ITEM TYPE

Write the equation of this line in slope-intercept form.



Write your answer using integers, proper fractions, and improper fractions in simplest form.

☆ Current SmartScore: 74 | ⚠ 3 missed questions from this item type

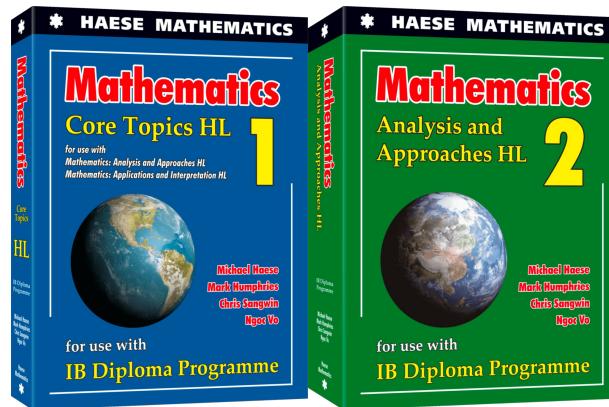
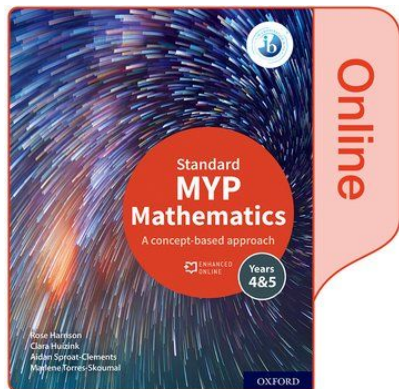
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A thought on homework...

- In a study from 1989: Synthesis of Research on Homework
- A researcher completed a meta analysis of 120 studies of homework's effect from the past 50 years.
- They concluded the effect of homework completion on achievement that:
 - **Primary:** No amount of homework, other than consistent reading, affected overall achievement
 - **Middle School:** About an hour of homework per night shows a positive correlation
 - **High School:** Up to two hours per night shows a positive correlation
 - *"Homework probably works best when the material is not too complex or completely unfamiliar"*

And a note on difficulty and other resources...

- IXL is not a replacement for other types of resources we use.
 - Especially true in the Diploma Program (Grades 11-12). IXL is to practice basic skills so students can perform on harder, exam-style questions.
- This applies for MYP **Extended** Students (Grades 9-10) as well.



Moving forward

- We are on a 4 month trial to assess IXL's impact on growing our students' math confidence and capabilities.
- In early March, we will decide whether we will buy into IXL for a longer term and determine which grade levels will be participating.
- If you have specific questions about how you can use IXL to help your child, I encourage you to reach out to their math teacher.
 - For Grade 5, please reach out to Penny Argyraki at pargyraki@isparis.net.

Questions

