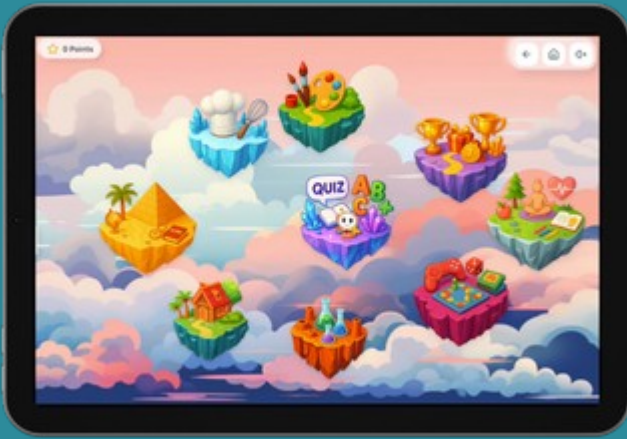


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Quarter Past and Quarter To - Year 2

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Teacher preparation · 1 of 3

Unit aim: learners read and draw mixed quarter-hour clocks and explain the hour named by quarter to.

Equipment: a movable teaching clock, the display, twelve worked cards, game cards, counters and pencils.

Entry diagnostic: show 3:15 and 3:45 without labels. Ask what each hand shows. Record which prerequisite needs a short revisit.

Accurate model: at :15 the minute hand points to 3 and the hour hand is one quarter towards the next number. At :45 the minute hand points to 9 and the hour hand is three quarters towards the next number.

Lesson 1 (30–40 min): use the display to divide a full turn into four equal parts. Move the minute hand through one quarter. Compare 3:15 with 3:45 and ask learners to identify the approaching hour. Use worked cards 1–3 then partners explain cards 4–5. Check one oral or visible response from each learner.

Teacher preparation · 2 of 3

Lesson 2: revisit only insecure entry items. Model 4:15 with both hands. Learners complete guided practice page 1, then change to 4:45 and explain the different named hour. Use the marked page for prompt feedback.

Lesson 3: demonstrate a complete game turn, including how a partner checks a reason. Practise core worksheet page 2, then play Which Hour Comes Next? Every turn includes building both hands and explaining the approaching hour.

Game key: 2:45→three; 4:15→five next (time names four); 4:45→five; 6:15→seven next (time names six); 6:45→seven; 8:15→nine next (time names eight); 8:45→nine; 11:45→twelve; 1:15→two next (time names one); 1:45→two; 7:15→eight next (time names seven); 7:45→eight.

If a learner calls 6:45 quarter to six, move the hour hand near 7 and ask which whole hour comes after the current one. Record the specific misconception.

Teacher preparation · 3 of 3

Lesson 4: compare 9:15 and 9:45. Learners complete transfer practice page 3, then the two rehearsal pages: compare two quarter hours and repair an incorrect claim. Give one precise correction and require a fresh explanation.

Lesson 5: retrieve the success criteria without showing answers. Give the independent quarter-hour check. Learners read two clocks, draw two, and explain the hour named by quarter to. Mark with the four-criterion learning evidence rubric and record a next teaching step.

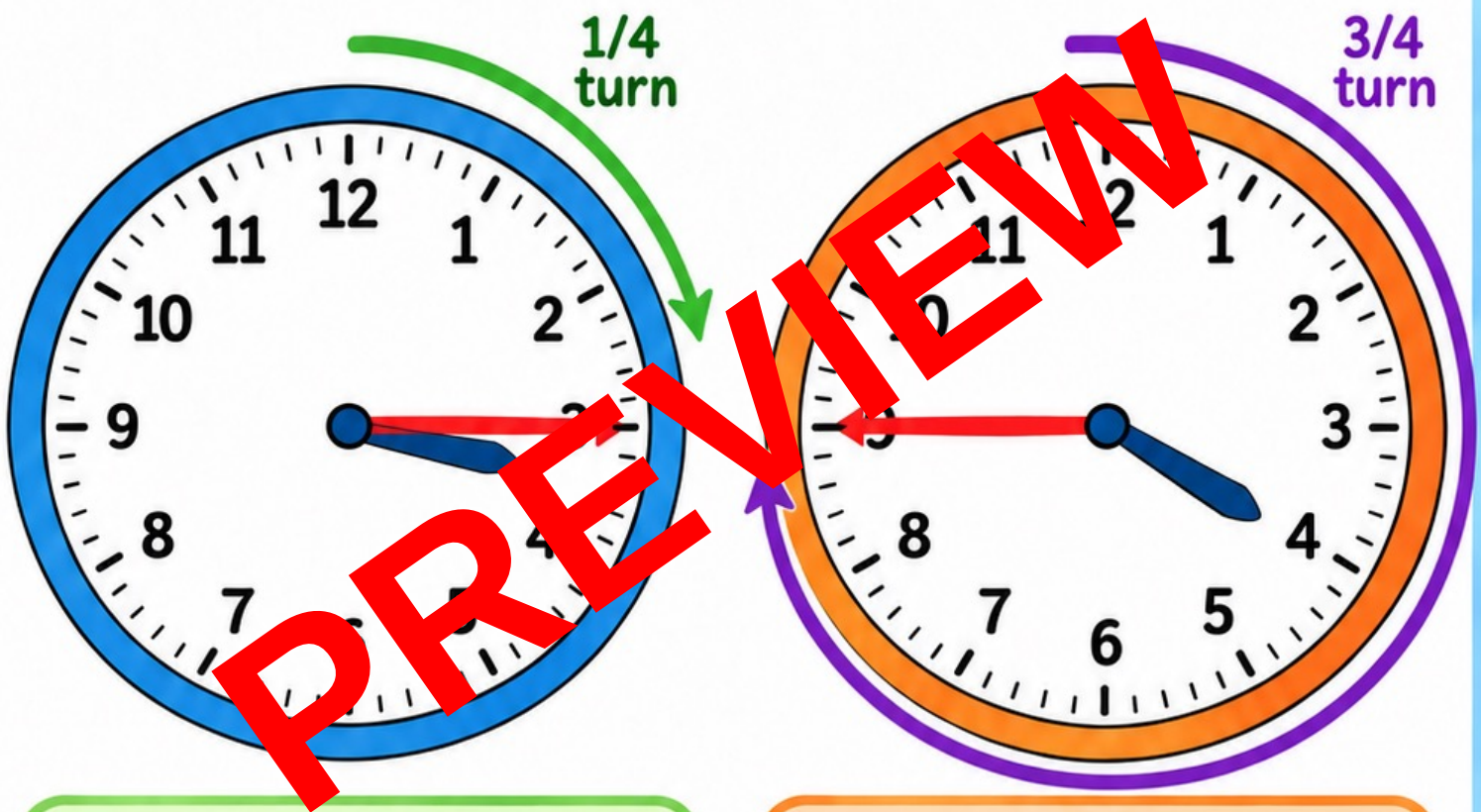
Support: move a physical clock, label minute-hand stops, and allow spoken explanation. Core: use fresh mixed examples with reasons.

Extension: diagnose a contradiction or revise a label without introducing minute-level precision.

Accept an accurate spoken, drawn or written explanation. Do not grade handwriting neatness or an accessible response mode as clock understanding. Use answer pages immediately after each learner page for marking, not as student models before practice.

Quarter Past and Quarter To

The hour hand keeps moving.



3:15 —
quarter past three

3:45 —
quarter to four

Past: the hour has started. **To:** the next hour is approaching.

Worked examples 1



One quarter turn

15 minutes make
a quarter turn.



3:15 — quarter past three

The hour hand has
moved a little past 3.



3:45 — quarter to four

The hour hand is
close to 4.

PREVIEW

Worked examples 2

4



11:45
quarter to twelve

Which whole hour comes next?

5



4:15
quarter past four

Which whole hour comes next?

6



4:45
quarter to five

Which whole hour comes next?

PREVIEW

Worked examples 3

7

6:15

quarter past six



What changed in the hour hand? _____

8

6:45

quarter to seven



What changed in the hour hand? _____

9

8:15

quarter past eight



What changed in the hour hand? _____

Worked examples 4

10



8:45 – quarter to nine

Which hour comes next?

Explain your thinking:

11



1:15 – quarter past one

Which hour comes next?

Explain your thinking:

12



1:45 – quarter to two

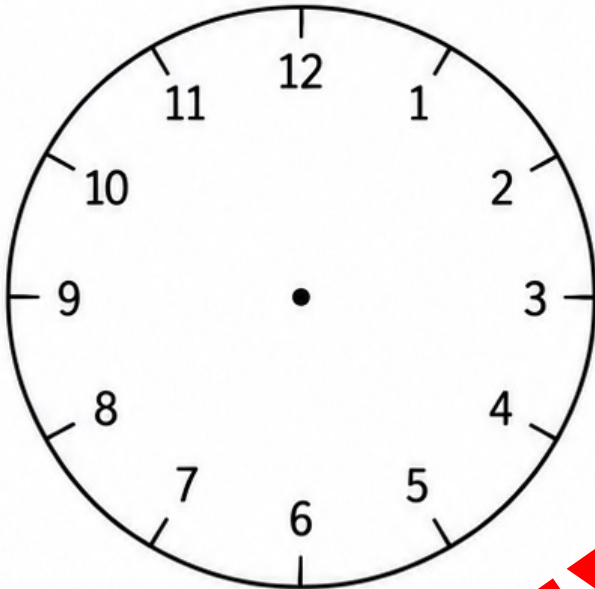
Which hour comes next?

Explain your thinking:

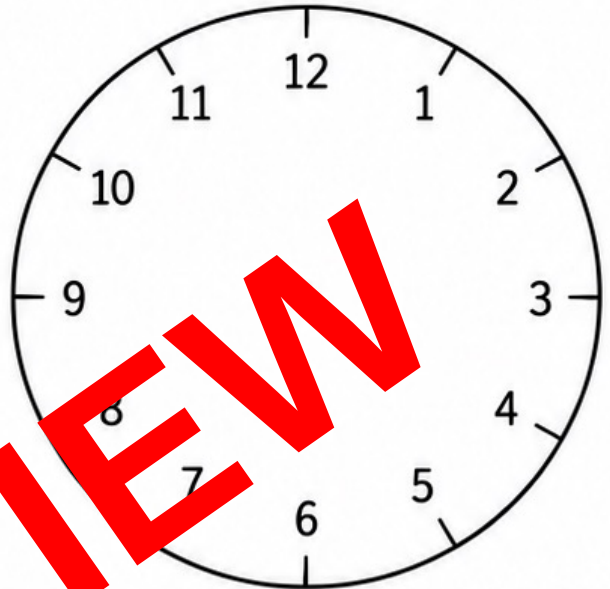
Guided quarter-hour practice

Name: _____

1. Draw 2:15. Minute hand to 3.



2. Draw 2:45. Minute hand to 9.



3. Is 7:15 quarter past seven?
Explain.

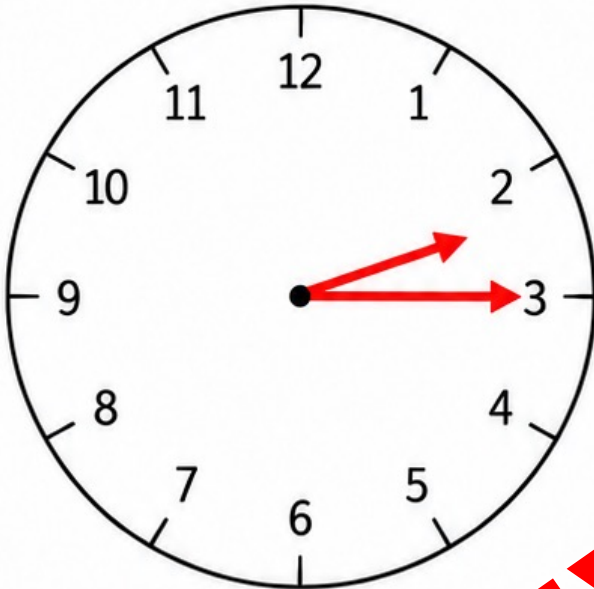
4. Is 7:45 quarter to eight?
Explain.

The hour hand moves between numbers.

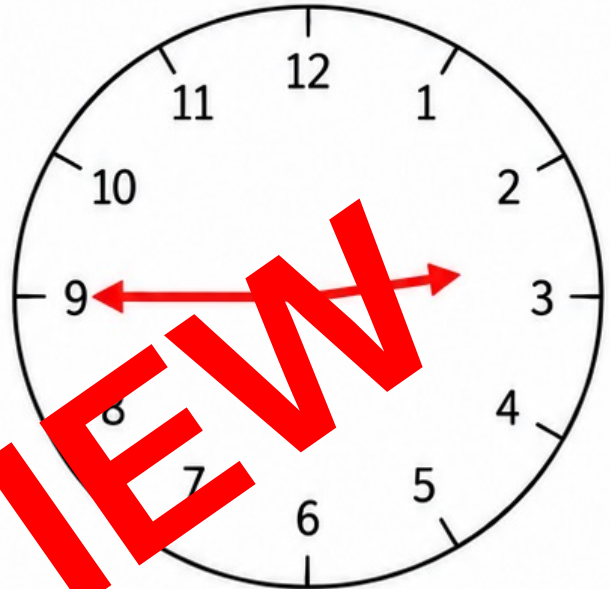
Guided quarter-hour practice

Name: **ANSWERS**

1. Draw 2:15. Minute hand to 3.



2. Draw 2:45. Minute hand to 9.



3. Is 7:15 quarter past seven?
Explain.

Yes. Minute at 3; hour just past 7.

4. Is 7:45 quarter to eight?
Explain.

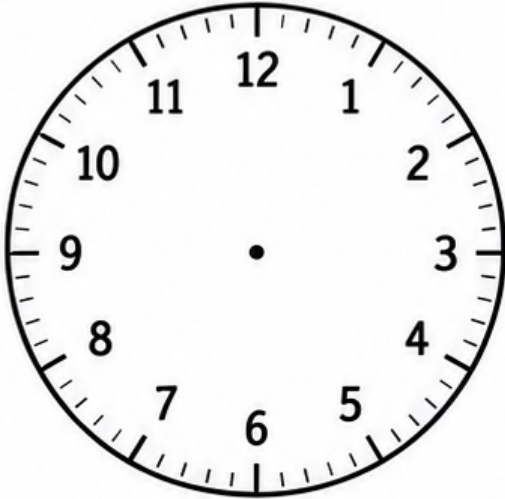
Yes. Minute at 9; hour nearing 8.

The hour hand moves between numbers.

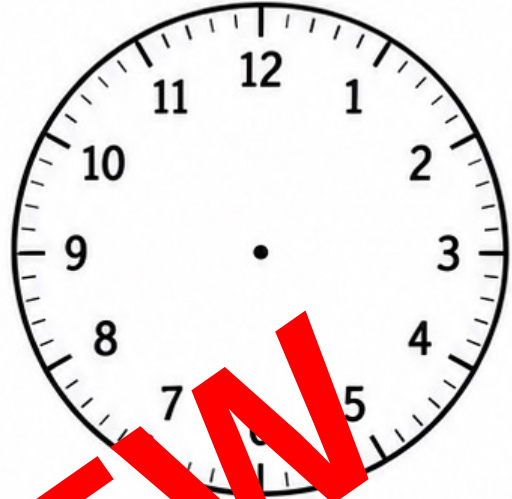
Mixed quarter-hour practice

Name: _____

1. Draw 5:15.



2. Draw 5:45.

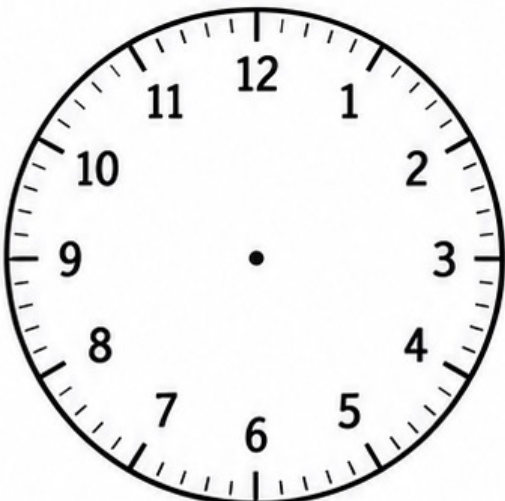


Which hour is approaching? _____

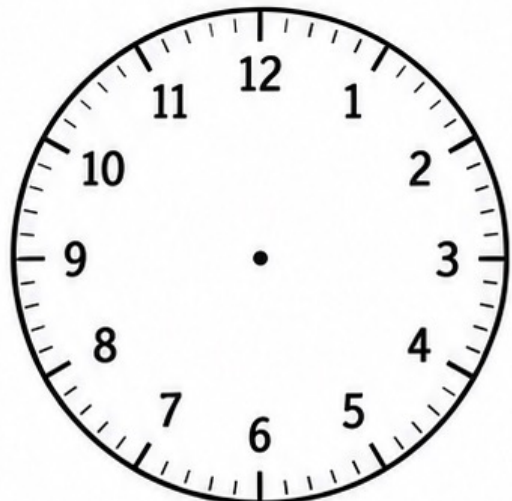
3. Write quarter past ten
digitally: _____

Write quarter to eleven
digitally: _____

5. Draw 12:15.



6. Draw 12:45.

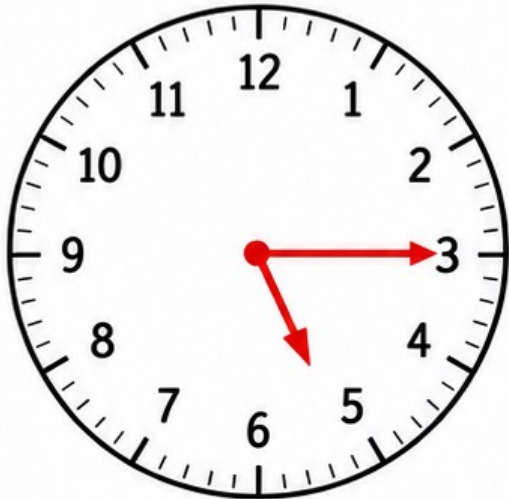


Which hour is approaching? _____

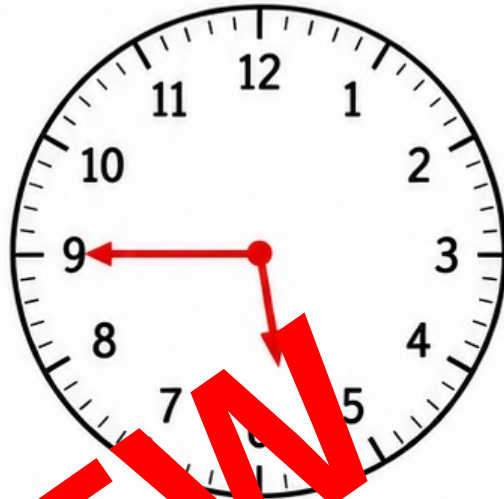
Mixed quarter-hour practice

Name: ANSWERS

1. Draw 5:15.



2. Draw 5:45.

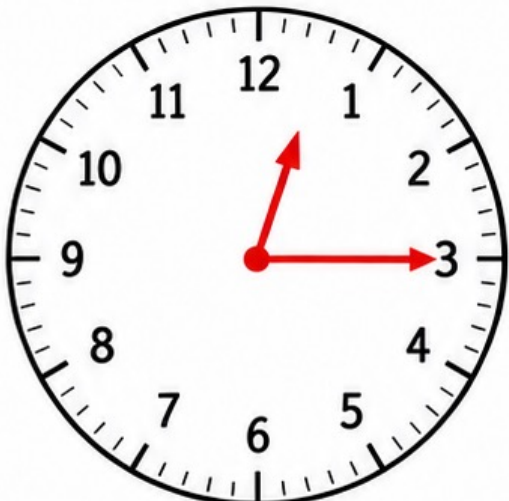


Which hour is approaching? 6

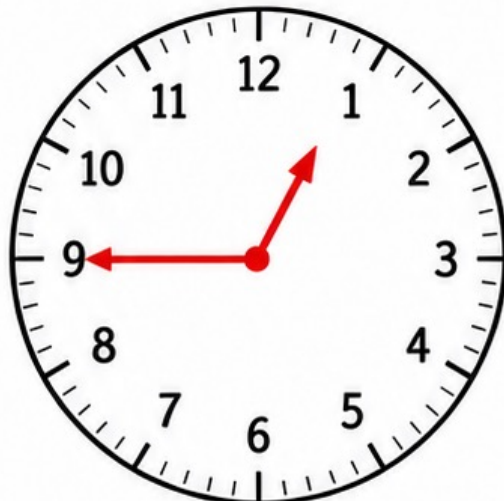
3. Write quarter past ten
digitally: 10:15

Write quarter to eleven
digitally: 10:45

5. Draw 12:15.



6. Draw 12:45.

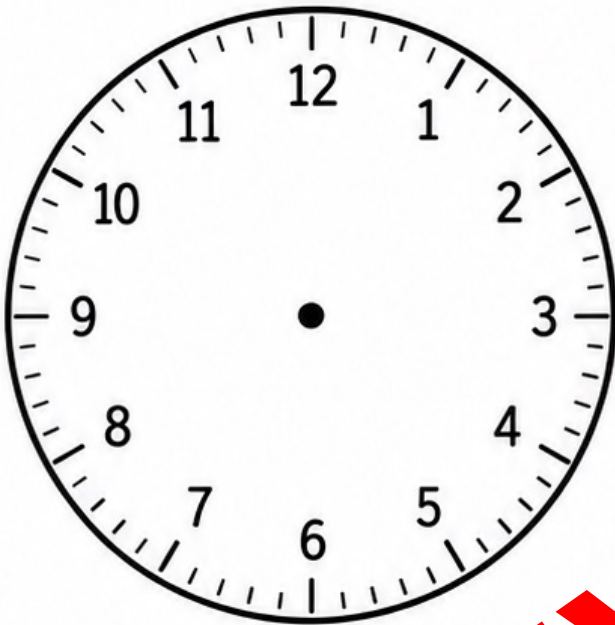


Which hour is approaching? 1

Explain the quarter hour

Name: _____

1. Compare 9:15 and 9:45. Draw both clocks. What changes in the hour hand?



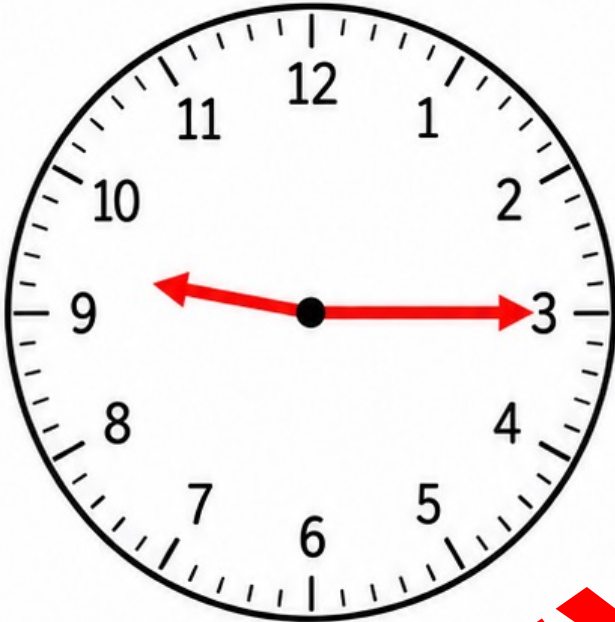
2. 11:45 is quarter to which hour? Explain how the hands show this.

3. A classmate says 6:45 is quarter to six. Repair the statement and explain.

Explain the quarter hour

Name: **ANSWERS**

1. Compare 9:15 and 9:45. Draw both clocks. What changes in the hour hand?



9:15 quarter past nine, 9:45 quarter to ten. The hour hand moves toward ten.

2. 11:45 is quarter to which hour? Explain how the hands show this.

Quarter to twelve. The minute hand is at 9 and hour hand nears 12.

3. A classmate says 6:45 is quarter to six. Repair the statement and explain.

6:45 is quarter to seven: the hour hand is nearing 7.

What time
is it now?
Which hour
comes next?

Which Hour Comes Next?

Partner clock game

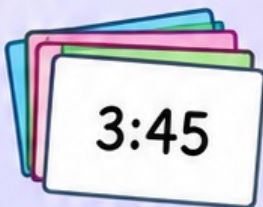
Think
Build
Explain
Check!



You will need:



a movable
teaching clock



12 challenge
cards



counters



pencils

How to play:

- 1 Pick a card.
- 2 Build the time with both hands on the clock.
- 3 Name it and say which whole hour comes next.
- 4 Explain how the hands show this.
- 5 Partner checks the teacher key; take one counter only for correct reason. Swap roles.

Take turns.
Be a good
listener!



Worked turn:



3:45 is quarter to four.
The minute hand points to 9;
the hour hand is nearing 4.
The next whole hour is 4.



First to five counters wins!



Which Hour Comes Next? – Cards 1–6

1

2:45

Build it. Name it.
Next hour? Why?

2

4:15

Build it. Name it.
Next hour? Why?

3

4:45

Build it. Name it.
Next hour? Why?

4

6:15

Build it. Name it.
Next hour? Why?

5

6:45

Build it. Name it.
Next hour? Why?

6

8:15

Build it. Name it.
Next hour? Why?

PREVIEW

Which Hour Comes Next? — Cards 7–12

7

8:45

Build it. Name it.
Next hour? Why?

8

11:45

Build it. Name it.
Next hour? Why?

9

1:15

Build it. Name it.
Next hour? Why?

10

1:45

Build it. Name it.
Next hour? Why?

11

7:15

Build it. Name it.
Next hour? Why?

12

7:45

Build it. Name it.
Next hour? Why?

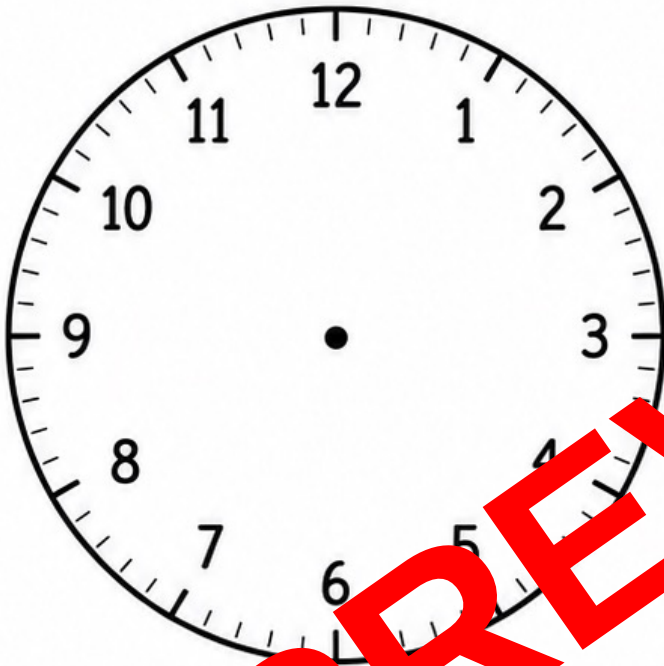
Teacher key: 7: quarter to nine; 8: quarter to twelve; 9: quarter past one;
10: quarter to two; 11: quarter past seven; 12: quarter to eight.

Compare two quarter hours

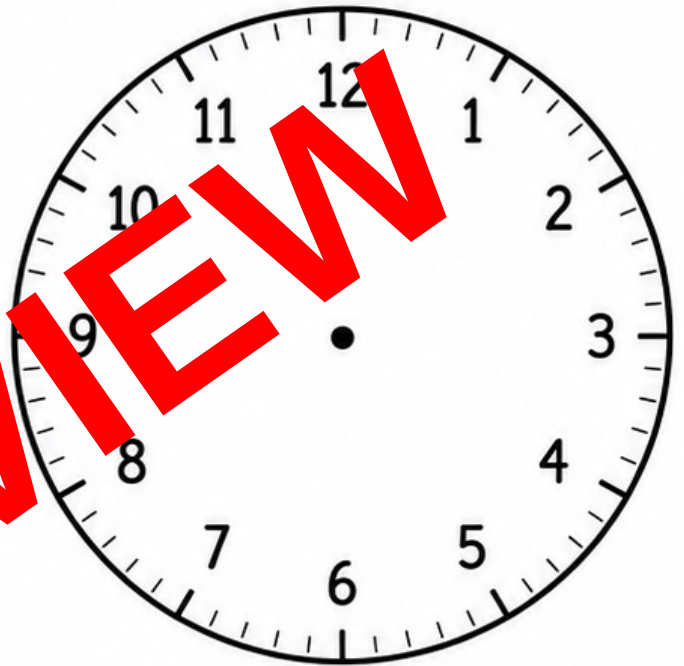
Name: _____

Draw 9:15 and 9:45 on the clocks. Write each time in words.
Why does the named hour change?

9:15



9:45



In words: _____

In words: _____

Explain using both hands:

The hour hand moves as minutes pass.

Compare two quarter hours

Name: ANSWERS

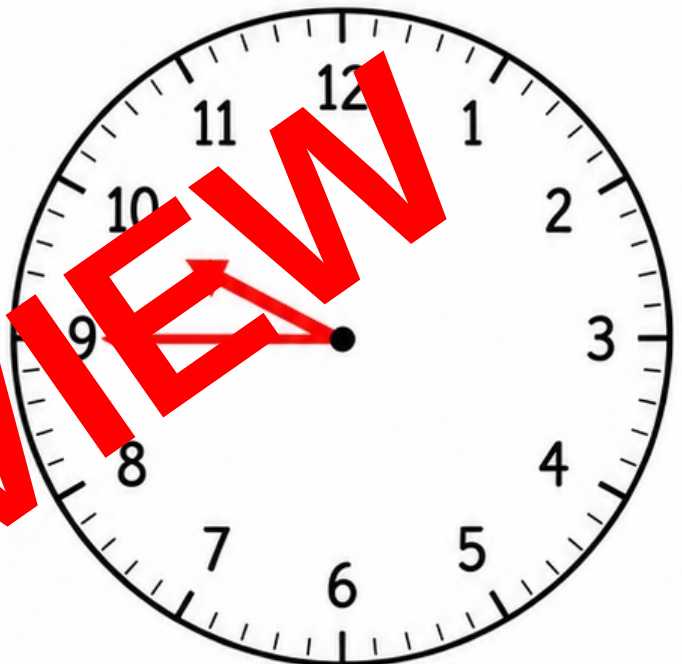
Draw 9:15 and 9:45 on the clocks. Write each time in words.
Why does the named hour change?

9:15



In words: quarter past nine

9:45



In words: quarter to ten

Explain using both hands:

At :15 the minute hand is at 3; the hour hand is just past 9.

At :45 the minute hand is at 9; the hour hand is nearing 10,
the named hour.

The hour hand moves as minutes pass.

Repair a quarter-hour mistake

Name: _____

A classmate says: 8:45 is quarter to eight.

1. Is the claim correct? Write the correct time in words and explain which hour is approaching.

2. Draw 8:45 with both hands.



3. Now compare 1:45. Which hour is approaching? Why?

Repair a quarter-hour mistake

Name: _____ **ANSWERS**

A classmate says: 8:45 is quarter to eight.

1. Is the claim correct? Write the correct time in words and explain which hour is approaching.

No. 8:45 is quarter to nine. The approaching hour is 9.

2. Draw 8:45 with both hands.



3. Now compare 1:45. Which hour is approaching? Why?

At 1:45, 2 is approaching. The minute hand is at 9 and the hour hand nears 2.

Quarter-hour check

Name: _____

Work independently. Show how you know.

1. Read these clocks. Write each time in words.



A: _____

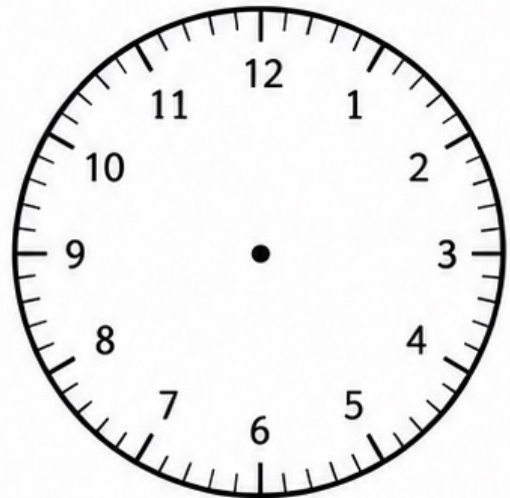


B: _____

2. Draw 1:15 and 1:45.



1:15



1:45

3. At quarter to, which hour do we name? Explain using the minute and hour hands.

Quarter-hour check

Name: ANSWERS

Work independently. Show how you know.

1. Read these clocks. Write each time in words.



A: quarter past ten

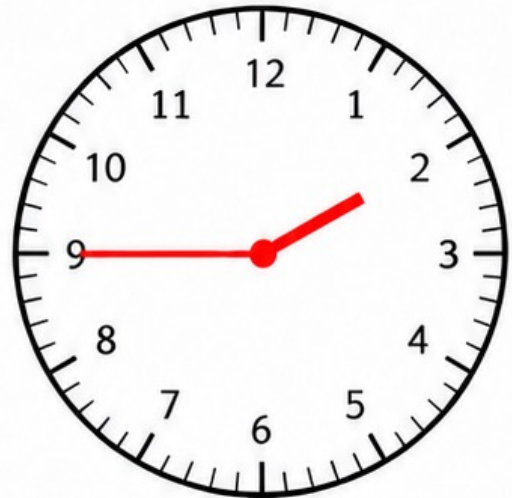


B: quarter to eleven

2. Draw 1:15 and 1:45.



1:15



1:45

3. At quarter to, which hour do we name? Explain using the minute and hour hands.

Quarter to names the next approaching hour. The minute hand is at 9 and the hour hand is nearing that next number.

Learning evidence rubric

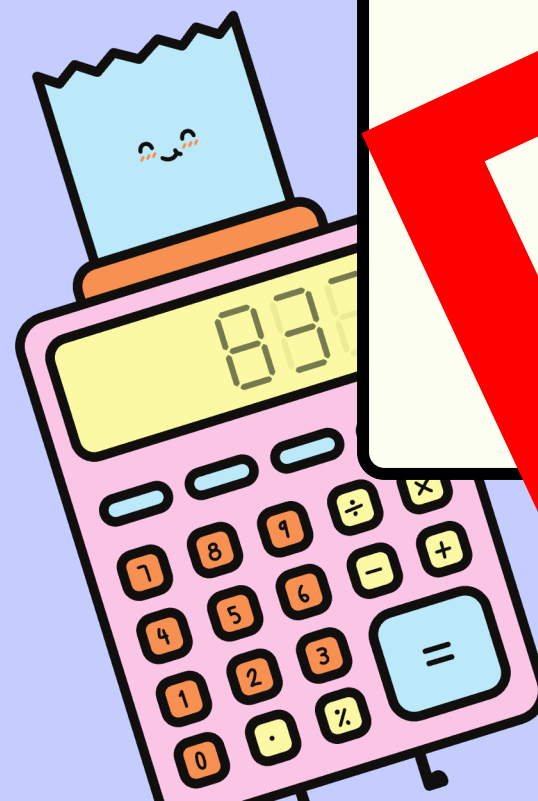
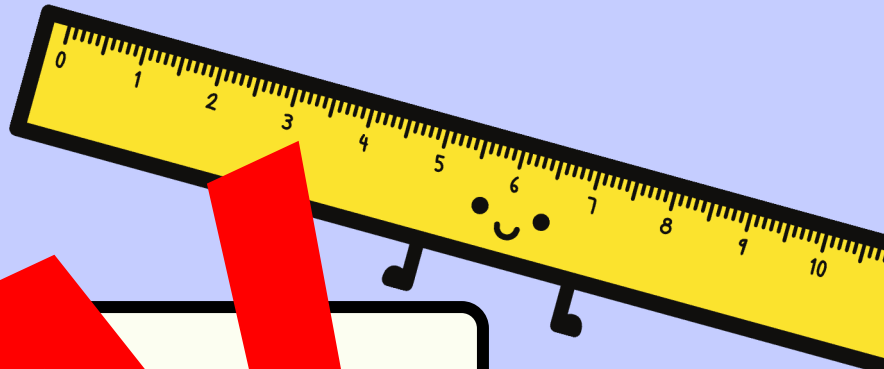
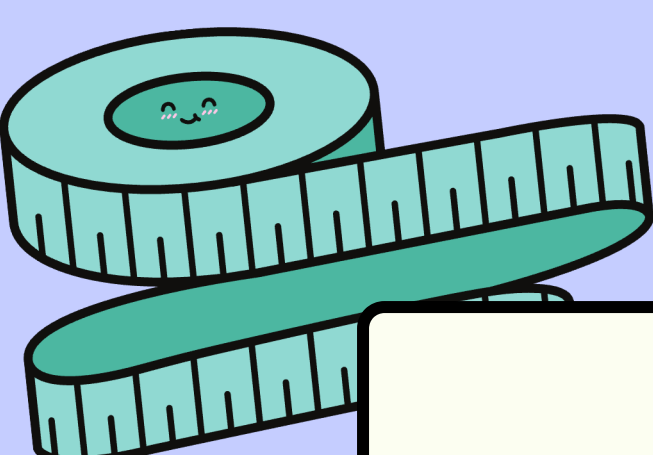
Name: _____

Date: _____

Criterion	Needs teaching	Developing with support	Target met independently
Concept / accuracy	Inaccurate clock or names current hour for quarter to.	Familiar correct with prompt but insecure contrast.	Accurate fresh quarter-hour reading.
Application / procedure	Cannot yet draw or read both hands.	Completes with model or prompts.	Independently reads and draws correct mixed quarter-hour clocks.
Reason / evidence	Guess or label only.	Relevant hour detail but needs prompt to connect.	Explains with specific minute and moving hour-hand evidence.
Transfer / communication	Unclear or cannot use in fresh case.	Clear with support, fresh case insecure.	Coherent explanation applied to fresh matched case.

Observed evidence

Next teaching step



PREVIEW

Quarter Fast and
Quarter To



Our goal

Read and draw quarter-hour clocks

Explain which hour “quarter-to” names.

What do you not see at 1:15? What about 3:45?



Clock words

The minute hand moves around the face.

The hour hand moves between the numbers.

One quarter turn is 15 minutes.

Some parts are half past • quarter to.



Four equal quarters

One full minute-hand turn has four equal quarters

Minute hand at 3: quarter past.

Minute hand at 6: quarter to.

The minute hand continues moving between numbers.



3:15 – quarter past three

The long minute hand points to 3.

The short hour hand is a little past 3 moving toward 4.

A quarter of this hour has passed.



3:45 – quarter to four

The long minute hand points to 9.

The short hour hand is close to 4, but has not reached it.

The next hour is four.



Pause and draw

Draw 2:15 on a blank clock

Where does the minute hand point?

Where is the hour hand between 2 and 3?



Check 2:15

It is quarter past two.

The minute hand points to 3.

The hour hand is just past 2 and moving toward 3.



Compare two turns

Build 4:15, then 4:45.

At 4:15 the hour hand has just passed 4.

At 4:45 it has almost reached 5.

Which would be "quar to" name?



One complete game turn

Take the 11:45 card. Build both hands.

Say “quarter to twelve.”

Explain: the minute hand is at 9 and the hour hand is nearing 12.

Partners check before counting a counter.



Your turn

Build 6:45 on a movable clock.

Name the time and the next whole hour.

Tell your partner what both hands show.



Repair the mistake

A claim: "3:45 is quarter to three."

Correction: 3:45 is quarter to four.

The minute hand is at 9 while the hour hand is nearing 4.



Fresh comparison

Draw 9:15 and 9:45.

The minute hand changes from 3 to 6.

The hour hand moves from just past 9 to almost 10.

Explain why the time changes.



Choose your route

Support: move a real clock and use a bell to stop.

Core: read and draw a fresh mixed up quarter-hour times.

Extension: find and repair a conflicting label, with evidence.



Show what you know

Work independently on the quarter you chose.

Read two clocks, draw two clocks and explain “quarter to”.

You may say or write your explanation. Show evidence from both hands.



Reflect on evidence

Which hand helped you decide faster to

How did the hour hand show the coaching hour?

What is our next step we can practise?



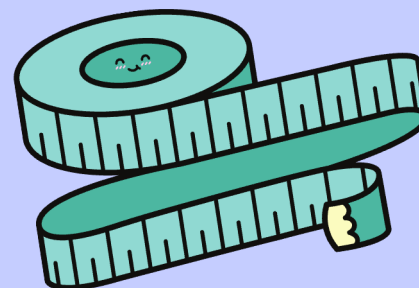
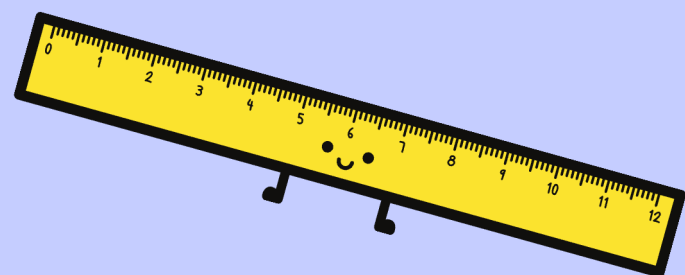
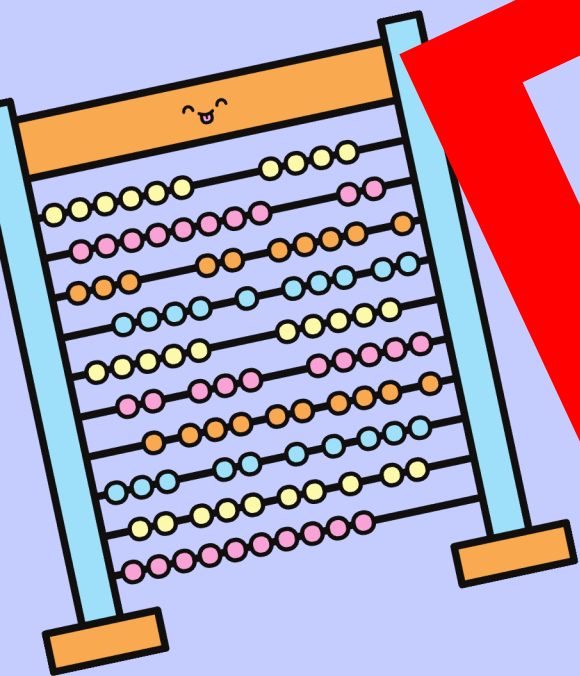
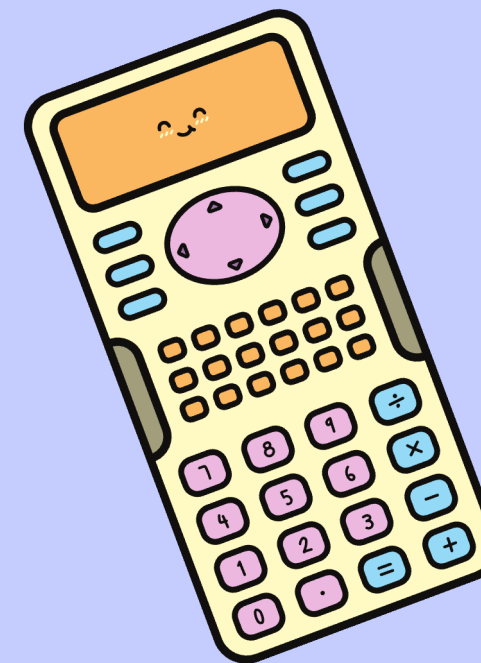
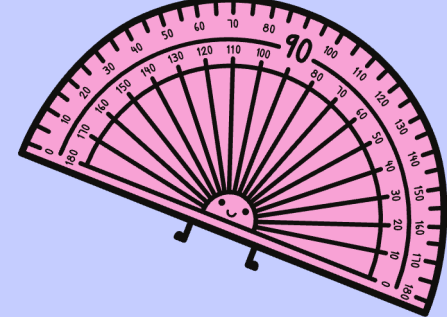
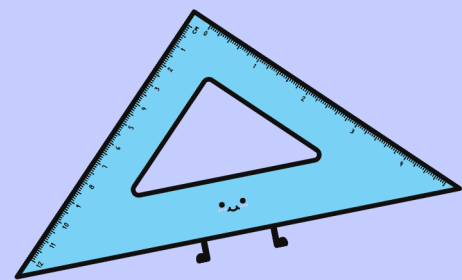
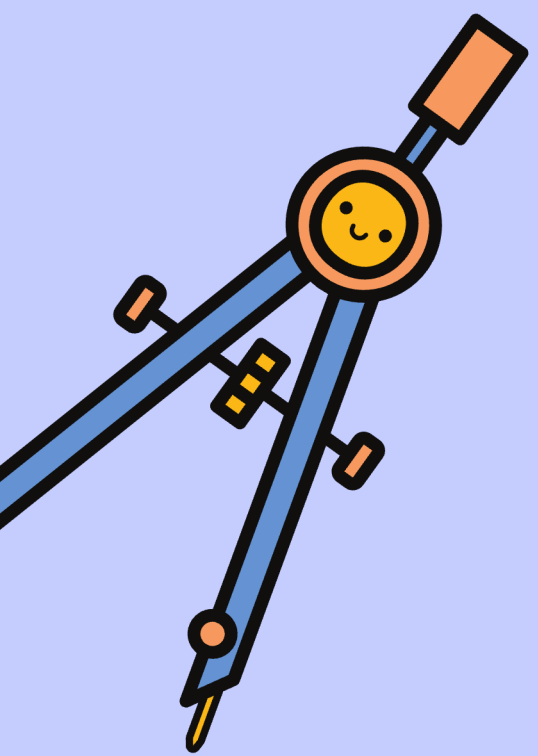
Keep the big idea

At quarter past, name the hour that has begun.

At quarter to, name the next approaching hour.

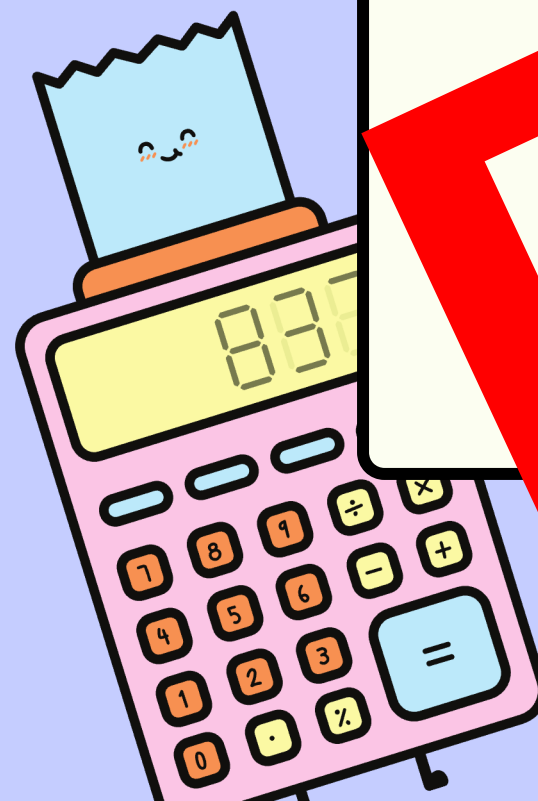
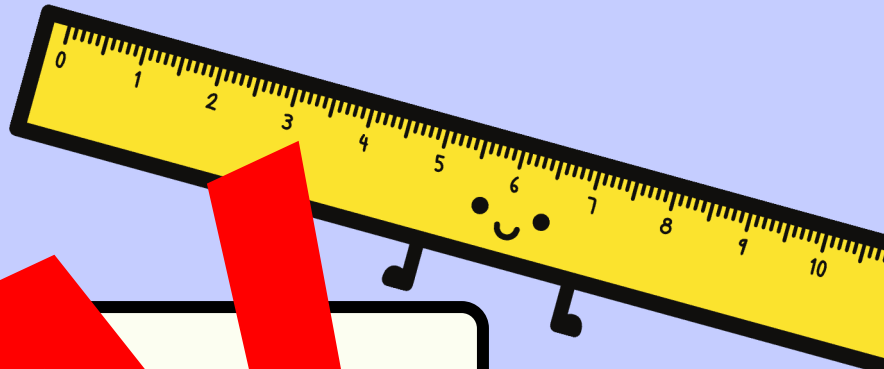
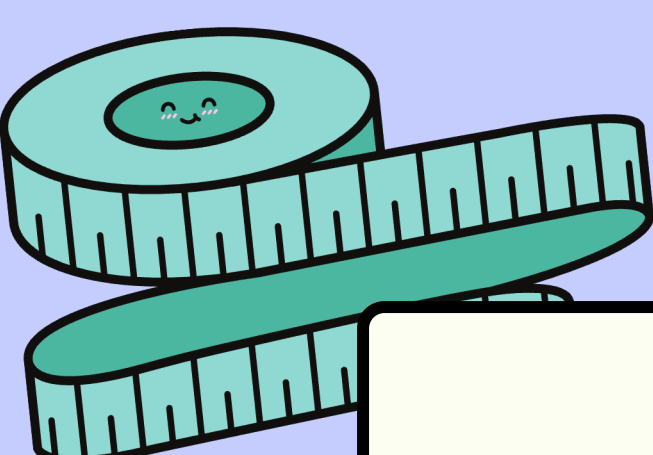
The hour hand keeps moving between numerals.





PREVIEW

Well Done!
The hand keeps moving.



PREVIEW

Quarter Fast and
Quarter To



Q1 · Quarter to four

Write “quarter to four” digitally.

PREVIEW



AI • Quarter to four

3:45.

The minute hand points to 9. The hour hand is nearing 4.



Q2 · Name the hour

Which hour does “quarter to” name?

PREVIEW



A2 · Name the hour

It names the approaching next hour.

At 3:45, the next hour is 4.



Q3 · Minute hand

Where is the minute hand at quarter past?

PREVIEW



A3 · Minute hand

At numeral 3.

It has completed one quarter of a full turn.



Q4 · New clock

Draw 5:15.

Where should the hands point?



A4 · New clock

Long minute hand at 3.

Short hour hand just past 5 towards 6.

This is quarter past five.



Q5 · Change one condition

Compare 5:15 and 5:45
What changes in the hour?



A5 · Change one condition

5:15 is quarter past five. 5:45 is quarter to six.

The minute hand moves from 3 to 6. The hour hand moves toward

6.



Q6 · Repair

A student says 8:45 is quarter to nine.

What is the mistake?



A6 · Repair

8:45 is quarter to nine.

The minute hand is at 9 and the hour hand is nearing 9.



Q7 · Game challenge

Build 6:45.

Name the new role and explain.

PREVIEW



A7 · Game challenge

It is quarter to seven: This next.

The minute hand is at 6 and hour hand is almost at 7.



Q8 · Compare

Compare 1:15 and 1:45

What stays the same? What changes?



A8 · Compare

Both occur between 1 and 2.

1:15 is quarter past one; 1:45 is quarter to two.

The hour hand moves slower.



Q9 · Transfer

Draw 10:45 without a model.

Name the time in words.

PREVIEW



A9 · Transfer

Quarter to eleven.

Long minute hand at short hour hand nearly at 11.



Q10 · Evidence

How do the hands prove that 10:45 is a quarter to eleven?

PREVIEW



A10 • Evidence

The minute hand at 9 shows 45 minutes past 10.

The hour hand is a close to 11, the approaching hour.



Q11 • Challenge a claim

Claim: “The minute hand at 9 means a quarter to the hour we already passed”

Is that true?



All • Challenge a claim

No. Quarter to names are approaching how
For example, it's quarter to four, not quarter to three.



Q12 · Explain two clocks

Draw 7:15 and 7:45.

Name each time and explain the hour hand.



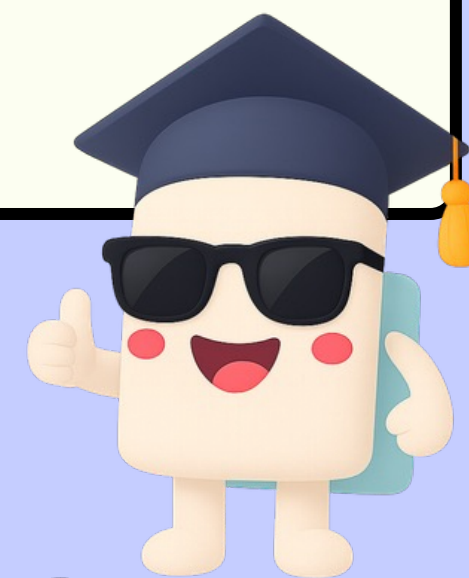
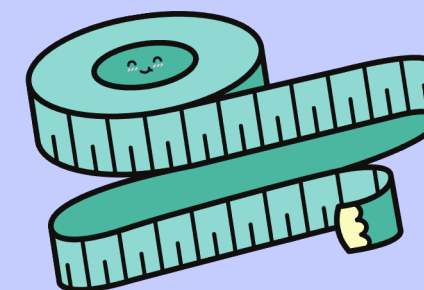
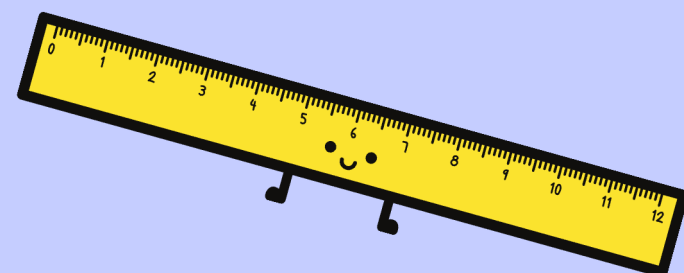
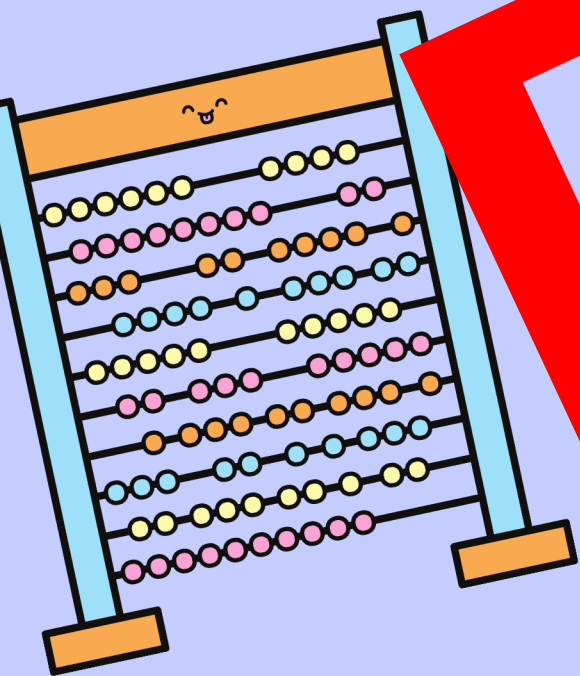
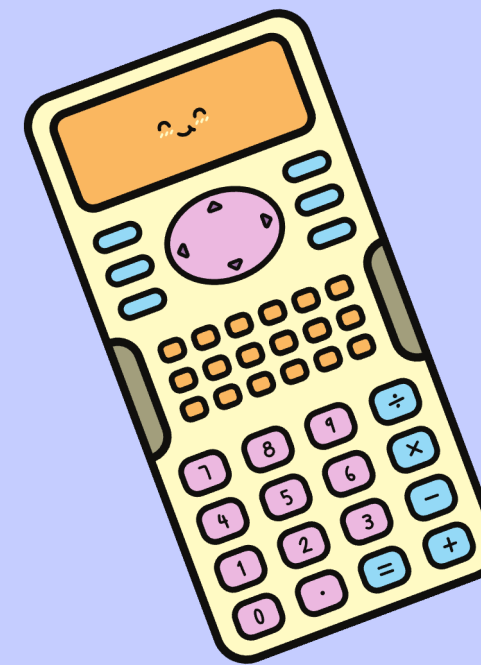
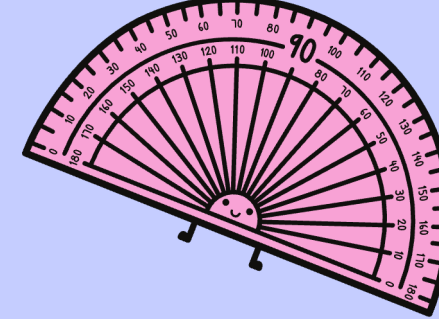
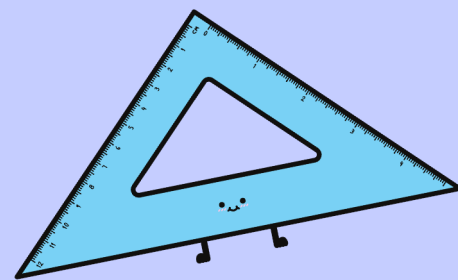
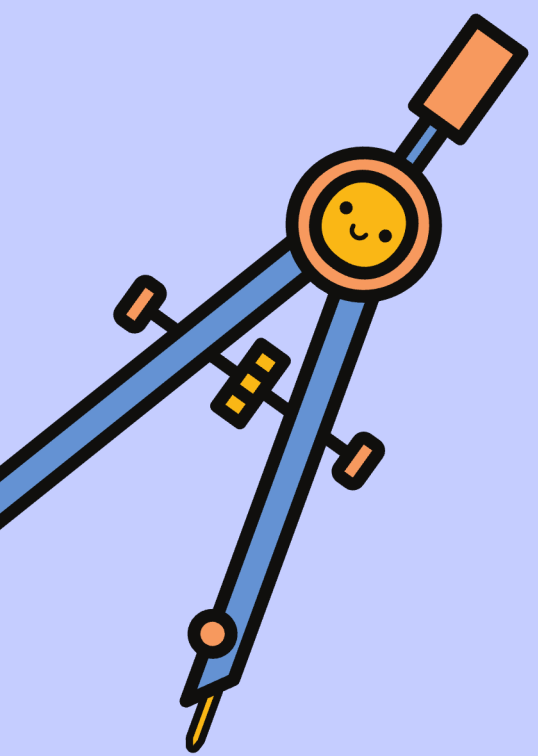
AI2 · Explain two clocks

7:15 is quarter past seven: hour hand just past 7, minute hand at 3.

7:45 is quarter to eight: hour hand nearing 8, minute hand at 9.

Accept equivalent clear hand position explanations.





PREVIEW

Well Done!
The hand keeps moving.