TIME – DAY 1

Seconds, Minutes and Hours

STARTER

Would you measure the following events in hours, minutes or seconds?

How long you spend at school in a day

How long it takes to drive to the centre of London

The length of a TV show

How quickly you can do 10 jumping jacks

STARTER

How long you spend at school in a day
hours

How long it takes to drive to the centre of London
hours/minutes depending on where you live

The length of a TV show
minutes

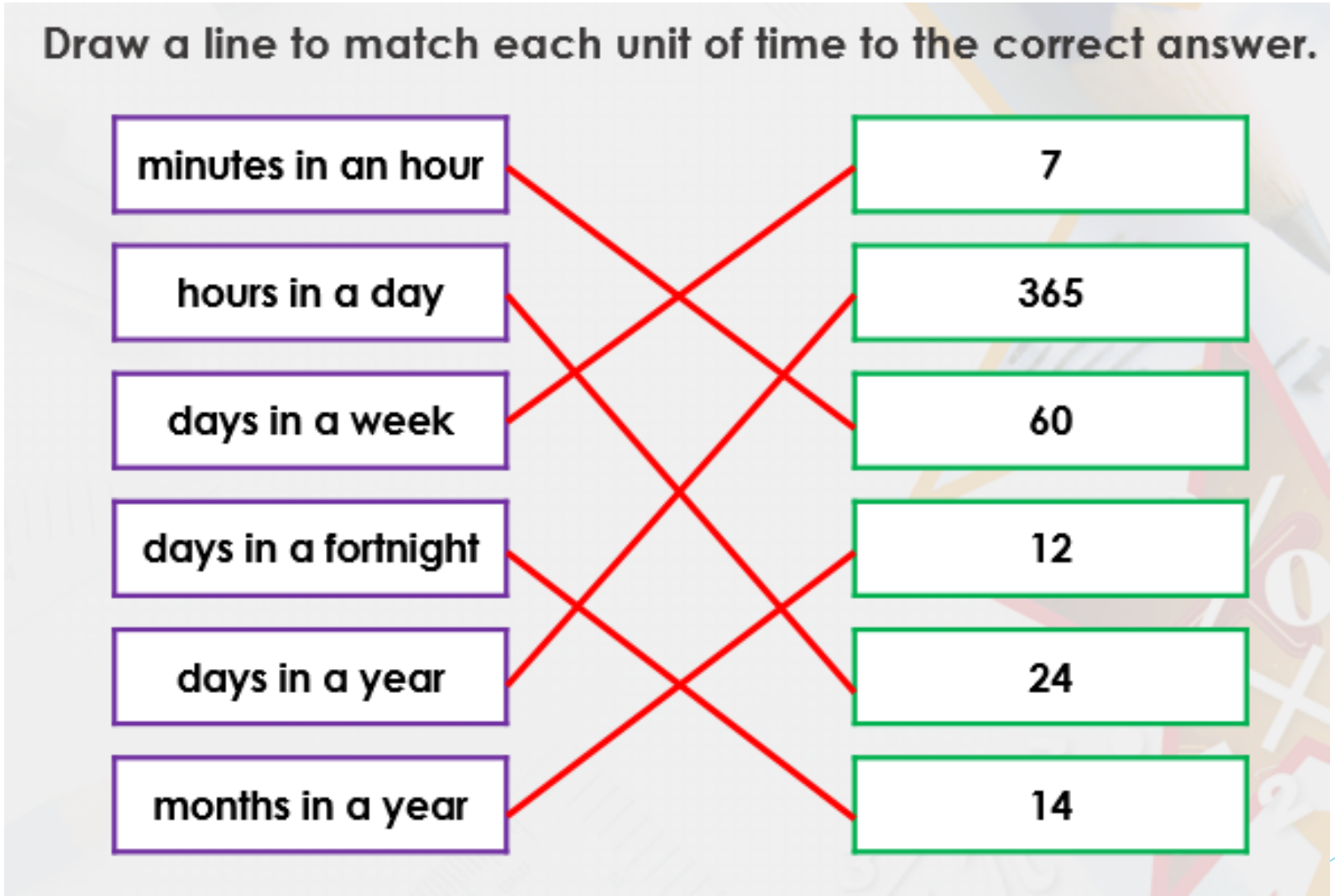
How quickly you can do 10 jumping jacks
seconds

STARTER

Draw a line to match each unit of time to the correct answer.

minutes in an hour	7
hours in a day	365
days in a week	60
days in a fortnight	12
days in a year	24
months in a year	14

STARTER


Draw a line to match each unit of time to the correct answer.
minutes in an hour
hours in a day
days in a week
days in a fortnight
days in a year
months in a year
7
365
60
12
24
14

FLUENCY

Complete the table

Hours	Minutes
1 hour 15 minutes	
	95
2 hours 40 minutes	
	185
4 hours 10 minutes	

FLUENCY

Hours	Minutes
1 hour 15 minutes	75
1 hour 35 minutes	95
2 hours 40 minutes	160
3 hours 5 minutes	185
4 hours 10 minutes	250

FLUENCY

Fill in <, > or = to make the statement correct.

2 minutes 20 seconds ☐ 140 seconds

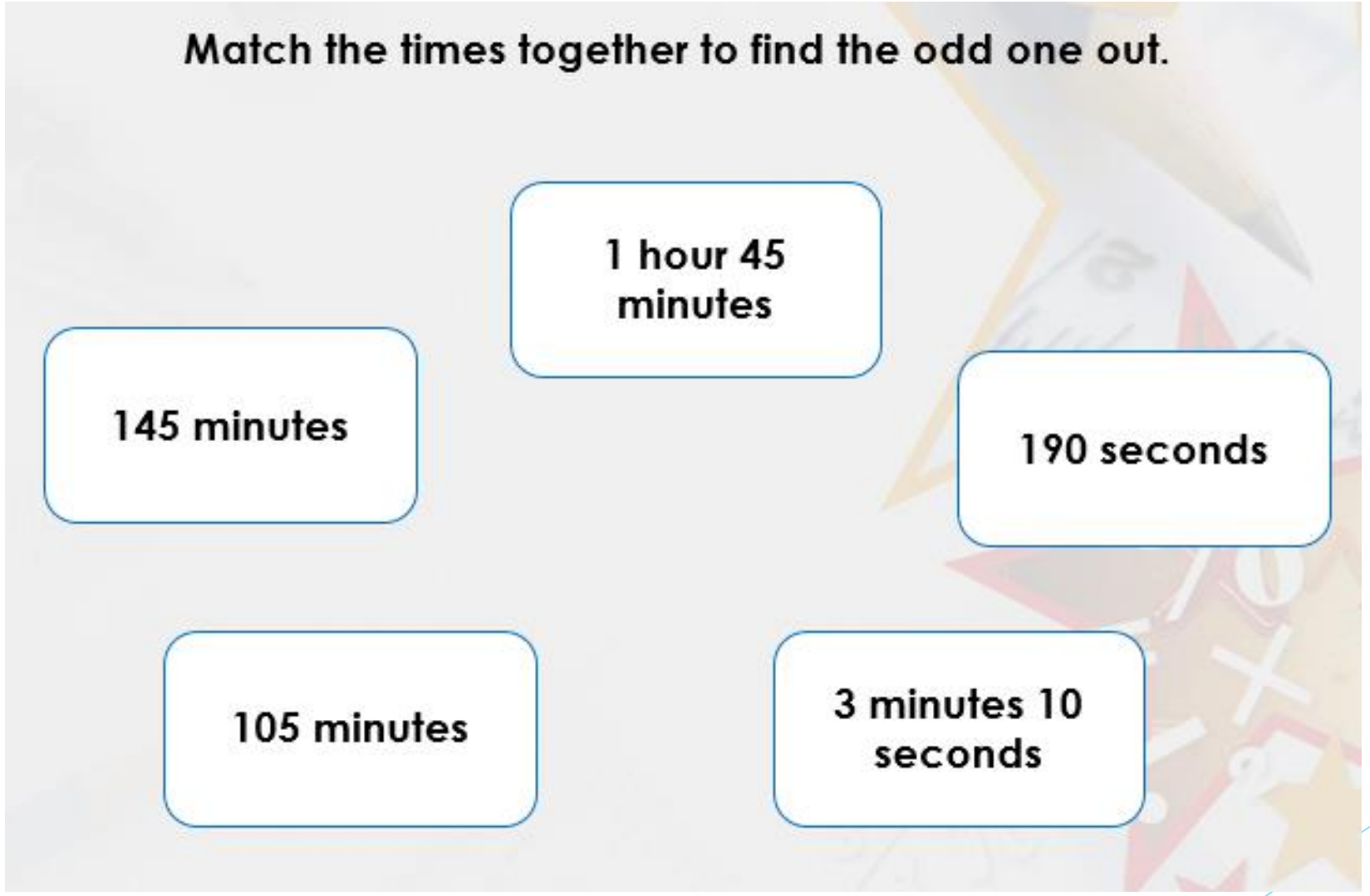
FLUENCY

Fill in <, > or = to make the statement correct.

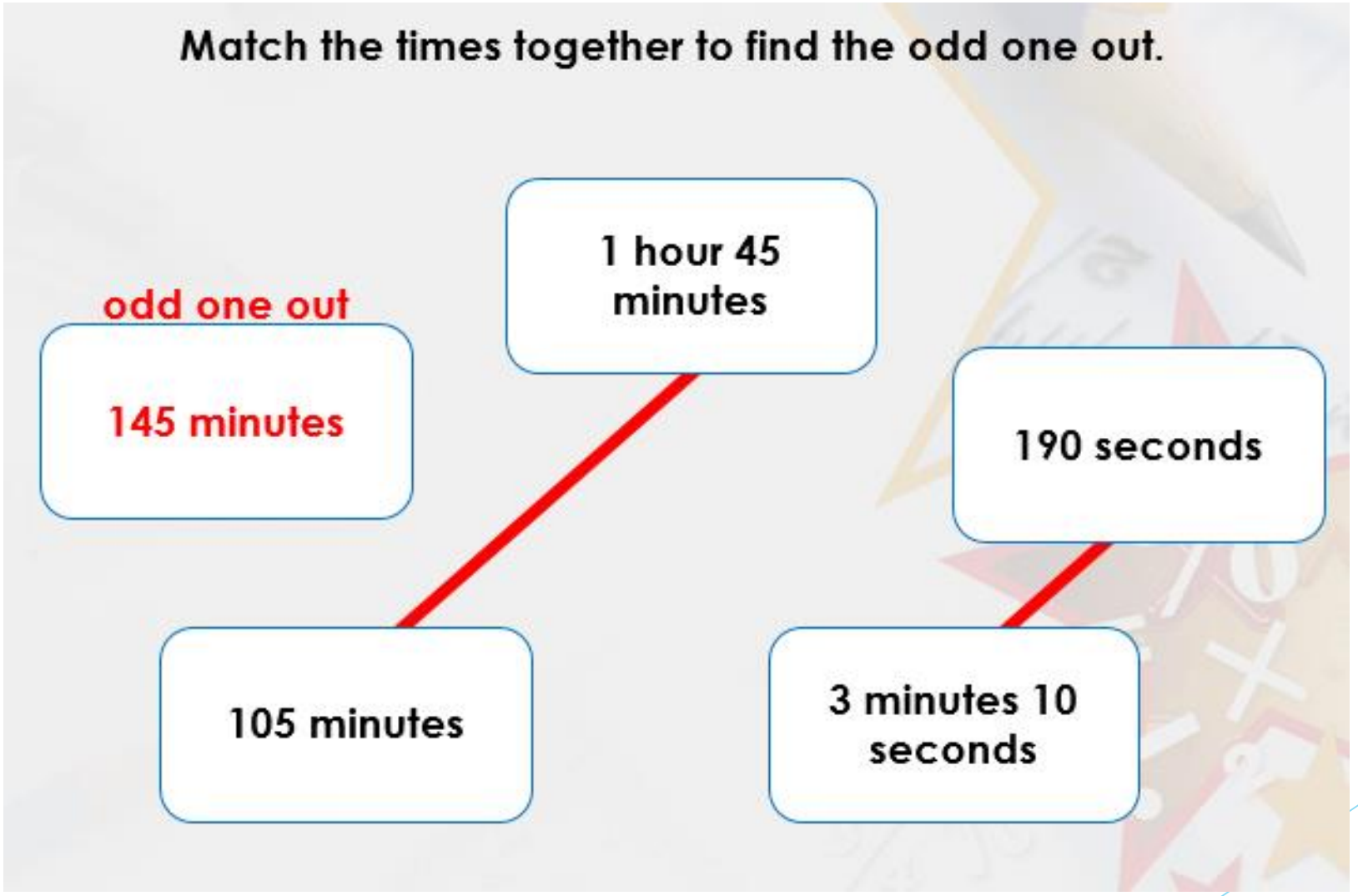
2 minutes 20 seconds ☐ 140 seconds

=

FLUENCY


Match the times together to find the odd one out.
1 hour 45 minutes
145 minutes
190 seconds
105 minutes
3 minutes 10 seconds

FLUENCY


Match the times together to find the odd one out.
odd one out
145 minutes
1 hour 45 minutes
190 seconds
105 minutes
3 minutes 10 seconds

FLUENCY

Which children were quicker in week 1?

Name	Week 1	Week 2
Jamie	2 hours 20 minutes	150 minutes
Tami	130 seconds	2 minutes
Ahmed	215 minutes	3 hours 40 minutes

FLUENCY

Which children were quicker in week 1?

Name	Week 1	Week 2
Jamie	2 hours 20 minutes	150 minutes
Tami	130 seconds	2 minutes
Ahmed	215 minutes	3 hours 40 minutes

REASONING

True or false? Explain why.

A	155 minutes	<	2 hours 45 minutes
B	3 hours 5 minutes	>	185 minutes
C	4 minutes 40 seconds	=	290 seconds

Fluency questions.

Choose between Grey, Green or Gold Group…

GREY GROUP

1a. Fill in the gaps.

Hours	Minutes
1 hour	
	120
2 hours 30 minutes	
	180
3 hours 30 minutes	

2a. Use <, > or = to make the statement correct.

2 minutes ☐ 90 seconds

3a. Match the times together to find the odd one out.

2 minutes 30 seconds

150 seconds

230 seconds

4a. Which children were quicker in week 2?

Name	Week 1	Week 2
Jay	1 minute	30 seconds
Tim	180 seconds	1 minute 30 seconds
Aya	3 minutes 30 seconds	240 seconds

GREEN GROUP

5a. Fill in the gaps.

Hours	Minutes
1 hour 40 minutes	
	15
2 hours 10 minutes	
	170
3 hours 20 minutes	

6a. Use <, > or = to make the statement correct.

3 minutes 15 seconds ☐ 190 seconds

7a. Match the times together to find the odd one out.

125 seconds

1 hour 40 minutes

140 minutes

100 minutes

2 minutes 5 seconds

8a. Which children were quicker in week 2?

Name	Week 1	Week 2
Joey	3 hours 5 minutes	170 minutes
Sam	260 minutes	4 hours
Nyab	5 hours 10 minutes	305 minutes

GOLD GROUP

9a. Fill in the gaps.

Minutes	Seconds
	118
2 minutes 64 seconds	
	239
4 minutes 97 seconds	
	351

10a. Use <, > or = to make the statement correct.

6 hours 56 minutes ☐ 426 minutes

11a. Match the times together to find the odd one out.

3 hours 32 minutes

332 minutes

212 minutes

234 seconds

3 minutes 54 seconds

12a. Which children were quicker in week 1 and by how much?

Name	Week 1	Week 2
Juno	5 hours 37 minutes	237 minutes
Mark	6 hours 49 minutes	419 minutes
Ivy	438 minutes	7 hours 98 minutes

REASONING

True or false? Explain why.

A 155 minutes [<] 2 hours 45 minutes

A: True because 155 minutes = 2 hours 35 minutes, which is < 2 hours 45 minutes.

B 3 hours 5 minutes [>] 185 minutes

B: False because 3 hours 5 minutes = 185 minutes, so they are both equal.

C 4 minutes 40 seconds [=] 290 seconds

C: False because 4 minutes 40 seconds = 280 seconds, which is < 290 seconds.

REASONING

Yasir says,

I ran the race in 195 minutes. I win.

Sienna says,

I ran the race in 2 hours 55 minutes. I win.

Explain who is correct.

REASONING

Yasir says,

I ran the race in 195 minutes. I win.

Sienna says,

I ran the race in 2 hours 55 minutes. I win.

Explain who is correct.

Sienna is correct because 2 hours 55 minutes = 175 minutes which is quicker than 195 minutes. Sienna won the race.

PROBLEM SOLVING

Everyone starts writing cards at the same time.
Calculate the order in which the cards will be ready.

Child A	195 seconds
Child B	3 ½ minutes
Child C	3 minutes 25 seconds

PROBLEM SOLVING

Everyone starts writing cards at the same time.
Calculate the order in which the cards will be ready.

Child A	195 seconds
Child B	3 ½ minutes
Child C	3 minutes 25 seconds

Child A (3 minutes 15 seconds or 195 seconds)
Child C (3 minutes 25 seconds or 205 seconds)
Child B (3 minutes 30 seconds or 210 seconds)

Reasoning and Problem Solving questions.

Choose between Grey, Green or Gold Group…

GREY GROUP

1a. True or false? Explain why.

A. 30 minutes > 1 hour

B. 2 minutes 30 seconds < 180 seconds

3a. Everyone starts baking at the same time. Which child's cake will be ready first? Which will take longest?

Child A	60 minutes
Child B	2 hours
Child C	1 hours 30 minutes

GREEN GROUP

4a. True or false? Explain why.

A. 1 minute 15 seconds [>] 80 seconds

B. 160 minutes [<] 2 hours 30 seconds

C. 3 hours 10 minutes [<] 195 minutes

6a. Everyone starts baking at the same time. Find the order in which the cakes will be ready.

Child A	130 minutes
Child B	2 hours 25 minutes
Child C	$2\frac{1}{4}$ hours

GOLD GROUP

7a. True or false? Explain why.

A.	3 hours 96 minutes	>	216 minutes
B.	403 seconds	=	6 minutes 53 seconds
C.	717 minutes	<	11 hours 58 minutes

9a. Everyone starts baking at the same time. Calculate the order in which the chocolate cakes will be ready.

Child A	$4\frac{1}{2}$ hours
Child B	282 minutes
Child C	4 hours 27 minutes
Child D	$4\frac{3}{4}$ hours