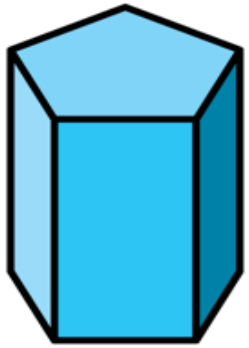
SIMMERING BRONZE

Flashback 4

Year 3 | Week 9 | Day 2

1) Which is heavier, 10 kg or 100 g?



2) How long is the car?

3) How many degrees does the minute hand on a clock turn between o'clock and half past?

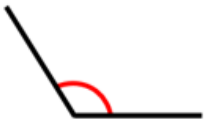
4) How many hundreds are equal to 60 tens?

SIMMERING SILVER

Flashback 4

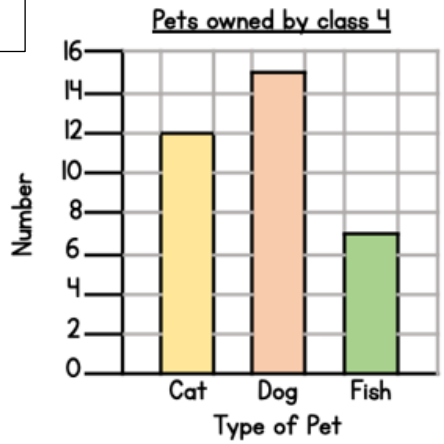
Year 4 | Week 8 | Day 2

1) What type of angle is this?



2) How many more chocolate eggs were sold in April than February?

3) How many fish are owned?



4) Round 372 to the nearest 10

White Rose Maths

SIMMERING GOLD

Flashback 4

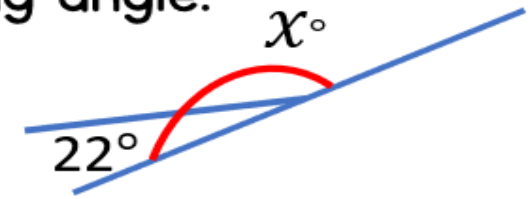
Year 5 | Week 9 | Day 2

1) Fill in the missing number.

2.5 kg = ☐ g

2) Reflect the shape in the mirror line.

3) Calculate the missing angle.



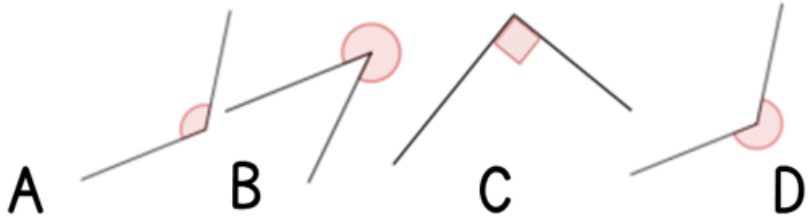
4) Round 12,471 to the nearest hundred.

White Rose Maths

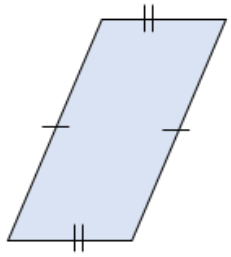
Flashback 4

Year 6 | Week 1 | Day 2

1) Which angle is obtuse?



A



2) A recipe for 2 people uses 30 g of butter.
How much butter is needed for 8 people?

120 g

3) Write down the ratio of squares to triangles.

1 : 3

4) How many metres are there in 7 km?

7,000

White Rose Maths

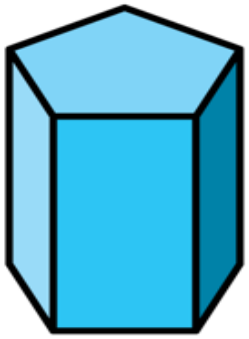
ANSWERS SIMMERING BRONZE

Flashback 4

Year 3 | Week 9 | Day 2

1) Which is heavier, 10 kg or 100 g?

10 kg



2) How long is the car?

6 cm

3) How many degrees does the minute hand on a clock turn between o'clock and half past?

180°

4) How many hundreds are equal to 60 tens?

6

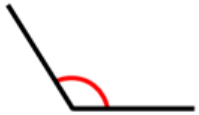
White Rose Maths

ANSWERS SIMMERING SILVER

Flashback 4

Year 4 | Week 8 | Day 2

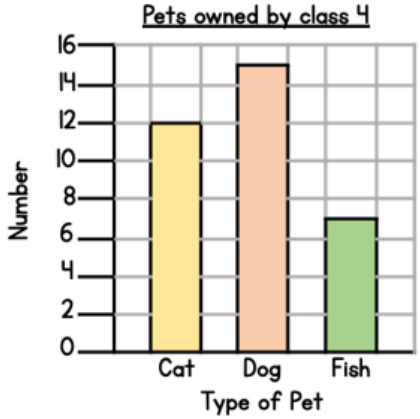
1) What type of angle is this?



obtuse angle

2) How many more chocolate eggs were sold in April than February? 30

3) How many fish are owned? 7 fish



4) Round 372 to the nearest 10 370

White Rose Maths

ANSWERS SIMMERING GOLD

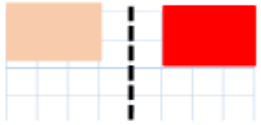
Flashback 4

Year 5 | Week 9 | Day 2

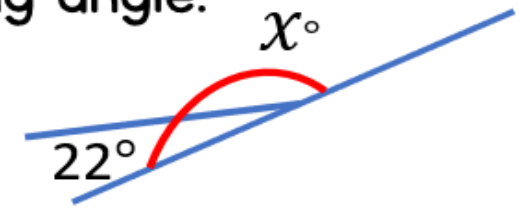
1) Fill in the missing number.

2.5 kg = 2,500 g

2) Reflect the shape in the mirror line.



3) Calculate the missing angle.



158°

4) Round 12,471 to the nearest hundred.

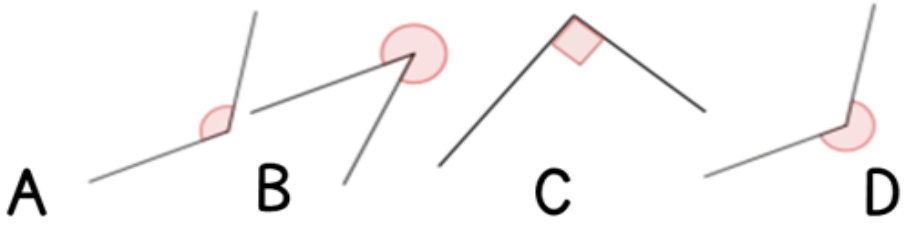
12,500

White Rose Maths

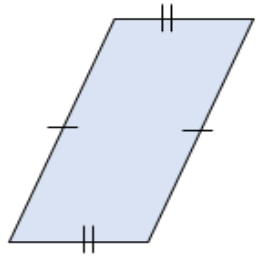
Flashback 4

Year 6 | Week 1 | Day 2

1) Which angle is obtuse?



A



2) A recipe for 2 people uses 30 g of butter.
How much butter is needed for 8 people?

120 g

3) Write down the ratio of squares to triangles.

1 : 3

4) How many metres are there in 7 km?

7,000

THERE ARE TWO LEVELS FOR THIS LESSON – CHOOSE 1 OR DO BOTH, IF YOU WANT

LEVEL 1 - TELLING THE TIME IN 5 MINUTE INTERVALS

LEVEL 2 - HOUR DIGITAL TIME

LEVEL 3 - 24 HOUR DIGITAL TIME

FACTS YOU MIGHT NEED

HOW MANY DAYS ARE THERE IN EACH MONTH?

HOW MANY DAYS IN A YEAR?

HOW MANY DAYS IN A LEAP YEAR?

60 SECONDS = 1 MINUTE

60 MINUTES = 1 HOUR

15 MINUTES = $\frac{1}{4}$ AND HOUR

30 MINUTES = $\frac{1}{2}$ AN HOUR

45 MINUTES = $\frac{3}{4}$ HOUR

24 HOURS = 1 FULL DAY

7 DAYS = 1 WEEK

14 DAYS = 1 FORTNIGHT (NOT FORTNITE THE GAME)

28 DAYS = 4 WEEKS = A MONTH (NOT A CALENDAR MONTH)

365 DAYS (AND $\frac{1}{4}$) = 52 WEEKS = 1 YEAR

366 DAYS = 52 WEEKS = 1 LEAP YEAR

Telling time to 5 minutes

LEVEL 1

1 Complete the table.

	5 past 1
	☐ past 1
	
	
	
	

2 Complete the table.

	25 to 2
	☐ to 2
	Q_____ to ____
	_____ to ____
	_____ to ____
	____ o'____

OR

35 MINUTES PAST 1 (01:35)

OR 40 MINUTES PAST 1 (01:40)

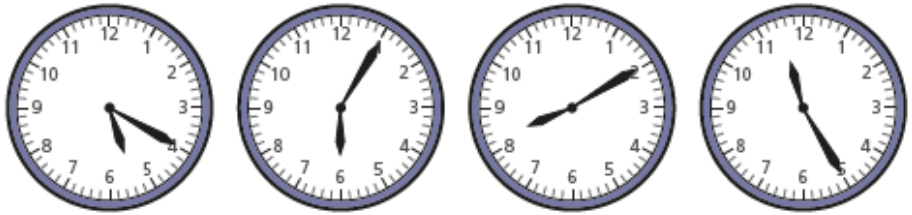
OR 45 MINUTES PAST 1 (01.45)

Or 50 MINUTES PAST 1

OR 55 MINUTES PAST 1

LEVEL 1

3 Write the time shown on each clock.



4 Write the time shown on each clock.

5 Jack and Mo read the time on the clock.

It is quarter to 5

Jack

It is 15 minutes to 5

Mo

Who is correct?

How do you know?

6 Draw on a clock to show 25 minutes past 3

Analogue to digital – 12 hour

LEVEL 2

1 Is the time shown on the clock in the morning or the afternoon?

Sort the clocks into the table.

Clock A

Clock D

Clock B

Clock E

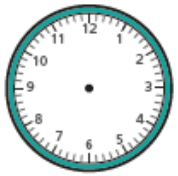
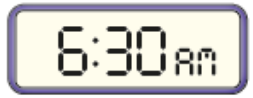
Clock C

Clock F

Morning	Afternoon

2 Complete the table by drawing hands on the analogue clock or writing the 12-hour digital time.

Analogue	Digital
	

Analogue	Digital
	
	
	

3

Ron is writing the time in 12-hour digital format.

5:03 pm

What mistake has Ron made?

4 Esther leaves her house at this time.

It takes her 1 hour and 45 minutes to get to her friend's house.

Write the time she arrives in 12-hour digital format.

Analogue to digital – 12 hour

LEVEL 2

Analogue	Digital
	3:10 PM
	6:30 AM
 am	:

3  pm

Ron is writing the time in 12-hour digital format. 5:03 pm

What mistake has Ron made?

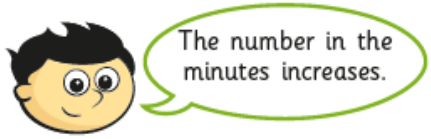
4 Esther leaves her house at this time.

It takes her 1 hour and 45 minutes to get to her friend's house.

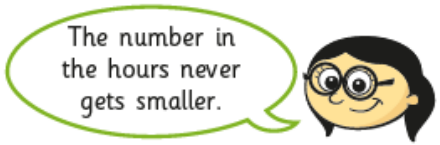
Write the time she arrives in 12-hour digital format.

 pm

5 Jack and Annie are looking at what happens when you add 50 minutes to a time in the 12-hour digital format.

a) 

Is Jack's statement always, sometimes or never true?

b) 

Is Annie's statement always, sometimes or never true?

Compare answers with a partner.

6 Huan is getting the bus into town.

Buses start running at 6:30 am.

They arrive every 22 minutes.

Huan is ready to leave at the time shown on the clock.

When will the next bus arrive?

 am

7 Using the digit cards once only each time, show six different times that could be shown on a 12-hour digital clock.

You do not need to use all the cards every time.

0	1	2	3

Are there any other possible answers?

Analogue to digital – 24 hour

LEVEL 3

1 What is the same and what is different about the clocks in each set?

a)  am

11:00 AM

11:00

b)  pm

11:00 PM

23:00

2 Write the times in 12-hour digital format using am or pm.

24-hour digital	06:10	18:10	21:12	12:45	00:45
12-hour digital					

3

23:30 → Take away 12 hours → 11:30

To change from 24-hour to 12-hour digital time, you just have to subtract 12 from the hours.

Does Amir's method always work?

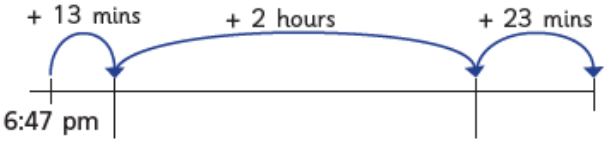
Explain your reasons.

4 The time is 6:47 pm.

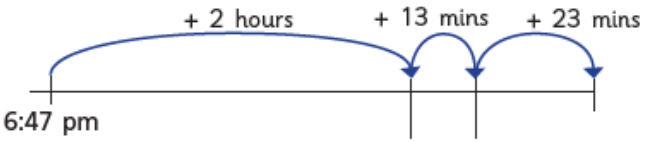
Dexter, Alex and Mo are using number lines to work out what time it will be in 2 hours and 36 minutes.

Fill in the missing times in 24-hour format.

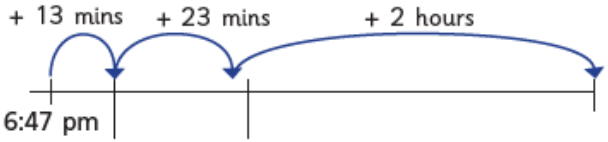
Dexter



Alex



Mo



Whose method do you prefer?

5 Complete the sequences by writing the next two times in 24-hour digital format.

a) 

b) 7:30 | 9:45 | 12:00

c) 9:10 PM | 10:00 PM | 10:50 PM

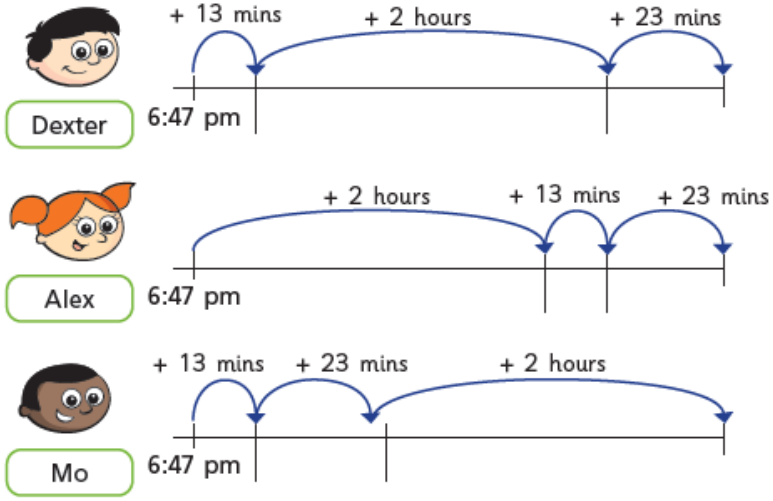
Analogue to digital – 24 hour

LEVEL

4 The time is 6:47 pm.

Dexter, Alex and Mo are using number lines to work out what time it will be in 2 hours and 36 minutes.

Fill in the missing times in 24-hour format.



Whose method do you prefer?

5 Complete the sequences by writing the next two times in 24-hour digital format.

a) 

b) 7:30 | 9:45 | 12:00

c) 9:10pm | 10:00pm | 10:50pm

6 Nijah is delivering a parcel to her friend's house.

She leaves her house at  am.

She arrives at her friend's house at 11:50

She leaves her friend's house at 11:55

If her return journey takes the same amount of time, what time will it be when she gets home?

Write your answer in 24-hour digital format.

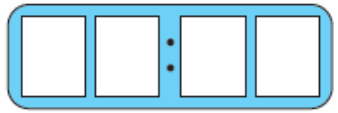
7 Whitney thinks the time is 22:10

What mistake has Whitney made?

 am

8

0	1	2	3



Using the digit cards once only each time, write five different times that can be shown on the 24-hour clock.

Compare answers with a partner.

9 The time 15:51 is palindromic.

If you write the digits forwards or backwards the time will be the same.

Write five other times in the 24-hour digital format that are palindromic.

Compare answers with a partner.

LEVEL 1 ANSWERS

Telling time to 5 minutes

1 Complete the table.

	5 past 1
	10 past 1
	quarter past 1
	20 past 1
	25 past 1
	half past 1

2 Complete the table.

	25 to 2
	20 to 2
	quarter to 2
	10 to 2
	5 to 2
	2 o'clock

LEVEL 1 ANSWERS

3 Write the time shown on each clock.

20 past 5

5 past 6

10 past 8

25 past 11

4 Write the time shown on each clock.

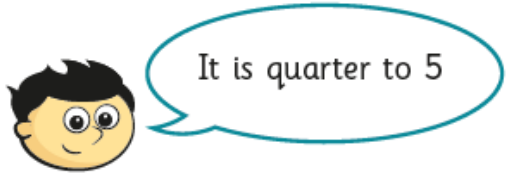
20 to 5

25 to 11

5 to 4

10 to 7

5 Jack and Mo read the time on the clock.



Jack

Mo

Who is correct? Both

How do you know?

6 Draw on the clock to show 25 minutes past 3

Analogue to digital – 12 hour

LEVEL 2
ANSWERS

1 Is the time shown on the clock in the morning or the afternoon?

Sort the clocks into the table.

Clock A

Clock D

Clock B

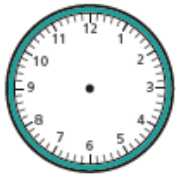
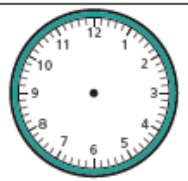
Clock E

Clock C

Clock F

Morning	Afternoon
A C F	B D E

2 Complete the table by drawing hands on the analogue clock or writing the 12-hour digital time.

Analogue	Digital
 pm	3:50 PM
	3:10 PM
	6:30 AM
 am	7:45 AM

3

Ron is writing the time in 12-hour digital format.

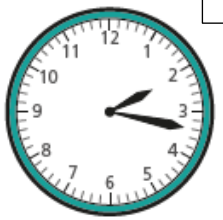
5:03 pm

What mistake has Ron made?

He thinks the minute hand pointing at 3 means 3 minutes past when actually it means 15 minutes past

LEVEL 2 ANSWERS

4 Esther leaves her house at this time.



It takes her 1 hour and 45 minutes to get to her friend's house.

Write the time she arrives in 12-hour digital format.

4 : 02 PM

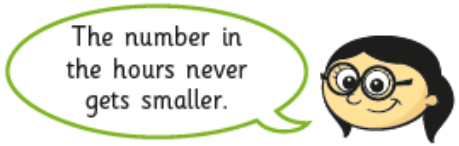
5 Jack and Annie are looking at what happens when you add 50 minutes to a time in the 12-hour digital format.

a)

Is Jack's statement always, sometimes or never true?

Sometimes

b)



Is Annie's statement always, sometimes or never true?

Sometimes

Compare answers with a partner.

6 Huan is getting the bus into town.

Buses start running at 6:30 am.

They arrive every 22 minutes.

Huan is ready to leave at the time shown on the clock.

When will the next bus arrive?

9:26 am

7 Using the digit cards once only each time, show six different times that could be shown on a 12-hour digital clock.

You do not need to use all the cards every time.

0	1	2	3

e.g.

		:		
	1	:	2	3
1	2	:	3	0
1	0	:	3	2
1	2	:	0	3
1	0	:	2	3
	3	:	1	2

Are there any other possible answers?

Analogue to digital – 24 hour

LEVEL 3
ANSWERS

1 What is the same and what is different about the clocks in each set?

a)

am

11:00 AM

11:00

b)

pm

11:00 PM

23:00

2 Write the times in 12-hour digital format using am or pm.

24-hour digital	12-hour digital
06:10	6:10 am
18:10	6:10 pm
21:12	9:12 pm
12:45	12:45pm
00:45	12:45 am

3 23:30 → Take away 12 hours → 11:30

To change from 24-hour to 12-hour digital time, you just have to subtract 12 from the hours.

Does Amir's method always work? No

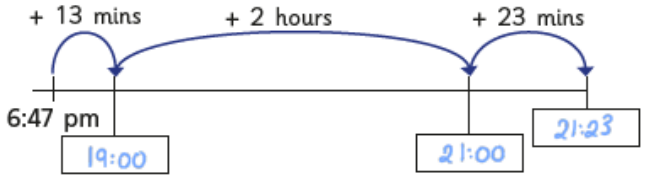
Explain your reasons.

4 The time is 6:47 pm.

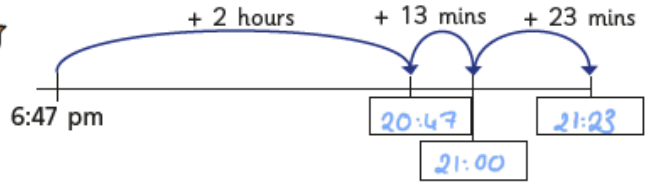
Dexter, Alex and Mo are using number lines to work out what time it will be in 2 hours and 36 minutes.

Fill in the missing times in 24-hour format.

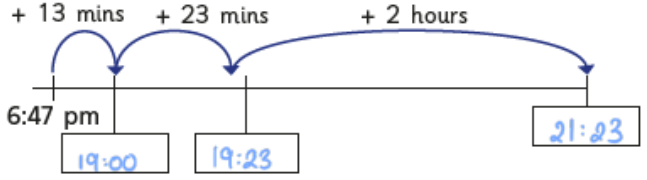
Dexter



Alex



Mo



Whose method do you prefer?

LEVEL 3 ANSWERS

5 Complete the sequences by writing the next two times in 24-hour digital format.

a)  18:00 18:30

b) 7:30 9:45 12:00 14:15 16:30

c) 9:10pm 10:00pm 10:50pm 23:40 00:30

6 Nijah is delivering a parcel to her friend's house.

She leaves her house at  am.

She arrives at her friend's house at 11:50

She leaves her friend's house at 11:55

If her return journey takes the same amount of time, what time will it be when she gets home?

Write your answer in 24-hour digital format.

13:05

Whitney thinks the time is 22:10

What mistake has Whitney made?

 am

8 0 1 2 3 __:__

Using the digit cards once only each time, write five different times that can be shown on the 24-hour clock.

e.g. 10:23 10:32 12:30 12:05 13:02

Compare answers with a partner.

9 The time 15:51 is palindromic.

If you write the digits forwards or backwards the time will be the same.

Write five other times in the 24-hour digital format that are palindromic.

e.g. 12:21 13:31 14:41 20:02 21:12

Compare answers with a partner.