



THIRD SPACE
LEARNING

Do I know the number of hours in a day
and how many days in a week?

Lesson Slides
Year 3

Friday 12th February 2021

Time

Lesson 2

To know the numbers of hours in a day and days in a week

Starter: Here are two sorting hoops.
Can you decide which months go where?

October

August

January

June

December

April

July

May

March

February

September

November

**Months that have
less than 31 days.**

**Months that have
exactly 31 days.**

Success Criteria:

- I know there are always 7 days in a full week
- I know there are always 24 hours in a full day

To know the numbers of hours in a day and days in a week

Starter: Here are two sorting hoops.
Can you decide which months go where?

February

April

June

September

November

January

March

May

July

August

October

December

Success Criteria:

- I know there are always 7 days in a full week
- I know there are always 24 hours in a full day

Months that have less than 31 days.

Months that have exactly 31 days.

To know the numbers of hours in a day and days in a week

Talking time:

Here is the calendar month for June 2020.

How many full weeks can you see ?

Mon	Tues	Wed	Thur	Fri	Sat	Sun
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

To know the numbers of hours in a day and days in a week

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2	8	9	10	11	12	13	14
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4	22	23	24	25	26	27	28
	29	30					

There are 4 full weeks in this calendar month.

Why do we not include the fifth row starting with Monday 29th?

To know the numbers of hours in a day and days in a week

Talking time:

Here is the calendar month for June 2020.

If there are no school holidays in this month, how many **full school weeks** will there be?

Mon	Tues	Wed	Thur	Fri	Sat	Sun
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

Extension:
Investigate other months in 2020.
Will the answer always be 4? Why / why not?

To know the numbers of hours in a day and days in a week

Talking time:

Here is the calendar month for June 2020.

If there are no school holidays in this month, how many **full school weeks** will there be?

The answer is 4 again, but we are only looking at Monday to Friday and not the weekend.

	Mon	Tues	Wed	Thur	Fri	Sat	Sun
1	1	2	3	4	5	6	7
2	8	9	10	11	12	13	14
3	15	16	17	18	19	20	21
4	22	23	24	25	26	27	28
	29	30					

Extension:
Investigate other months in 2020.
Will the answer always be 4? Why / why not?

To know the numbers of hours in a day and days in a week

Talking time:

How many hours are there
in one whole day?

How many hours are there
in **your** school day?

Think about your start time and when school ends.

To know the numbers of hours in a day and days in a week

Talking time:

How many hours are there
in one whole day?

There are 24 hours in one
day.

How many hours are there
in **your** school day?

Different schools have different
start and finish times. Most schools
will be **6 1/2** to **7** hours.

Think about your start time and when school ends.

To know the numbers of hours in a day and days in a week

Activity 1:

What is the question?

Choose the question that matches the answer.

How many days
are there in 1
school week?

How many hours
are there in 1
day?

The answer is 14.
What is the
question?

How many days
are there in 2
school weeks?

How many days
are there in 2
whole weeks?

How many days
are there in 1
whole week?

To know the numbers of hours in a day and days in a week

Activity 1:

What is the question?

Choose the question that matches the answer.

How many days
are there in 1
school week?

No, 5 days in 1 school
week.

How many hours
are there in 1
day?

No, 24 hours in one day.

The answer is 14.
What is the
question?

How many days
are there in 2
school weeks?

No, 10 days in 2 school
weeks.

How many days
are there in 2
whole weeks?

Correct

How many days
are there in 1
whole week?

No, 7 days in one whole
week.

To know the numbers of hours in a day and days in a week

Talking time:

Here is a timeline over one whole day.

It starts at midnight and ends at midnight.

Where will my two labels go on this timeline?

midday

noon

midnight

midnight

To know the numbers of hours in a day and days in a week

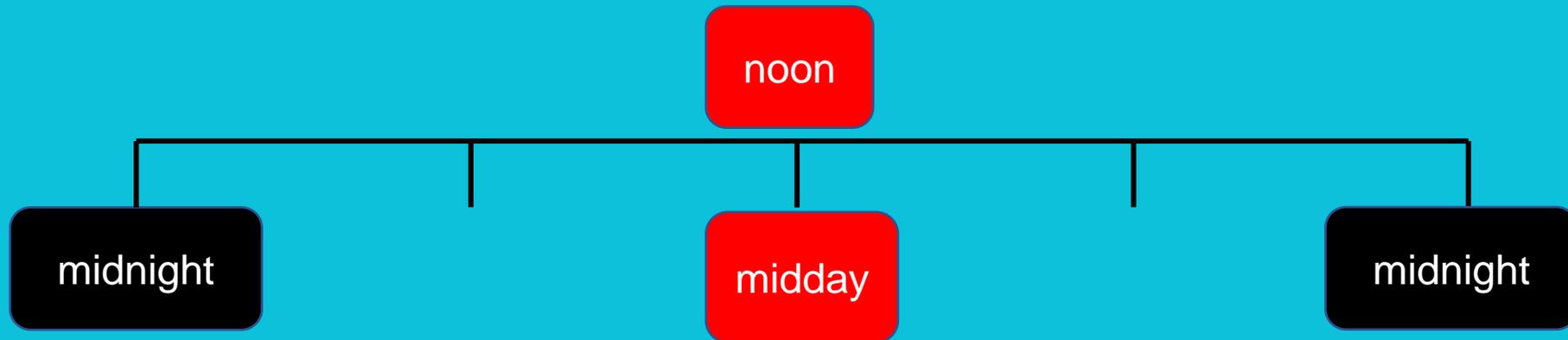
Talking time:

Here is a timeline over one whole day.

It starts at midnight and ends at midnight.

Where will my two labels go on this timeline?

Both of the labels will go halfway on the timeline, because they are different ways of saying the same thing. Also, midday – middle of the day.



To know the numbers of hours in a day and days in a week

Talking time:

Can you place the times or the events in the correct place on the time diagram?

Morning	Afternoon	Night

Midnight

Noon

Midday

Brush
teeth

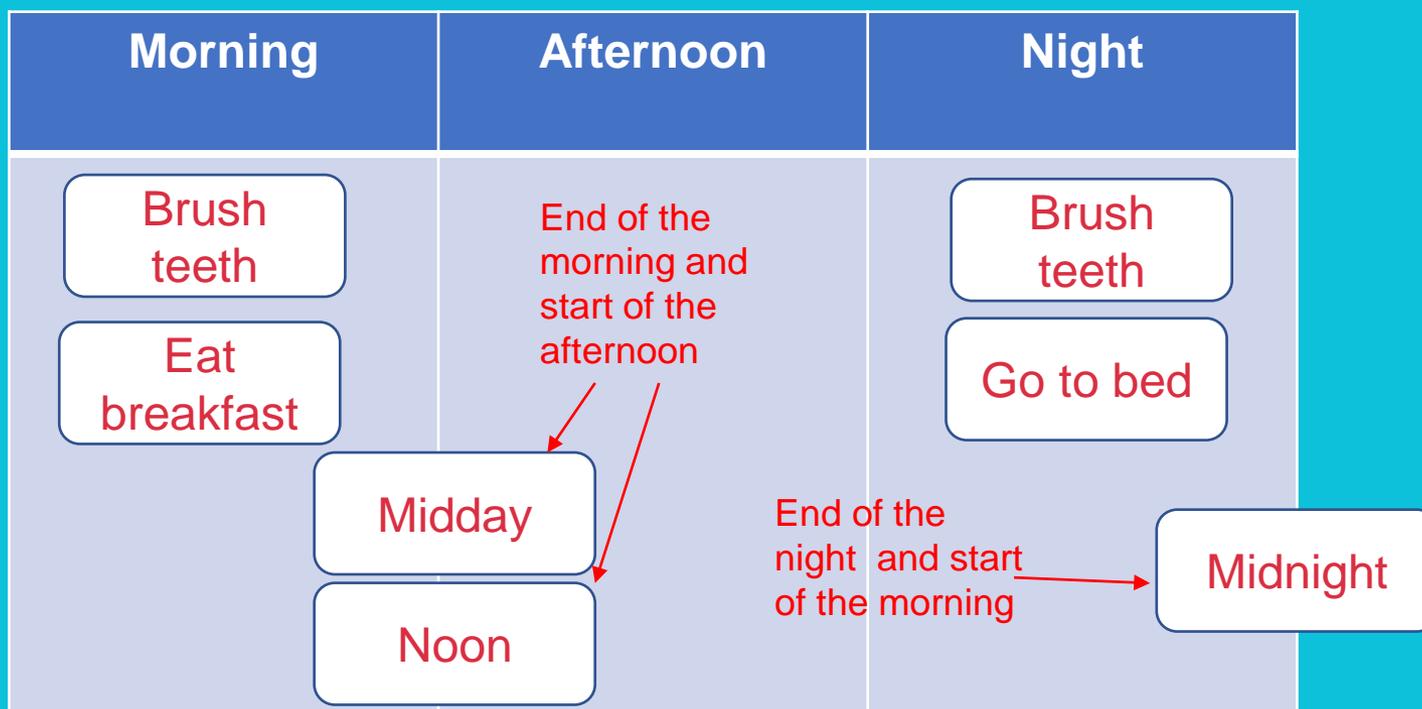
Go to bed

Eat
breakfast

To know the numbers of hours in a day and days in a week

Talking time:

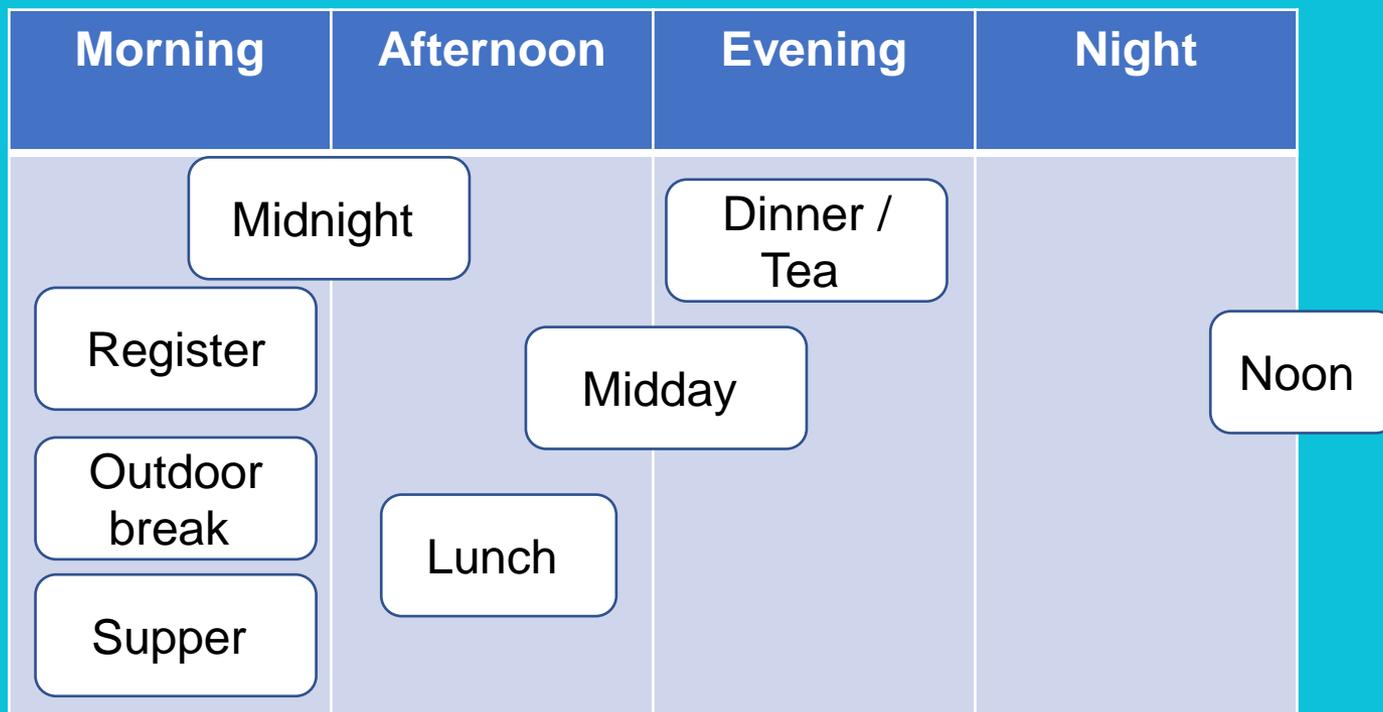
Can you place the times or the events in the correct place on the time diagram?



To know the numbers of hours in a day and days in a week

Activity 2:

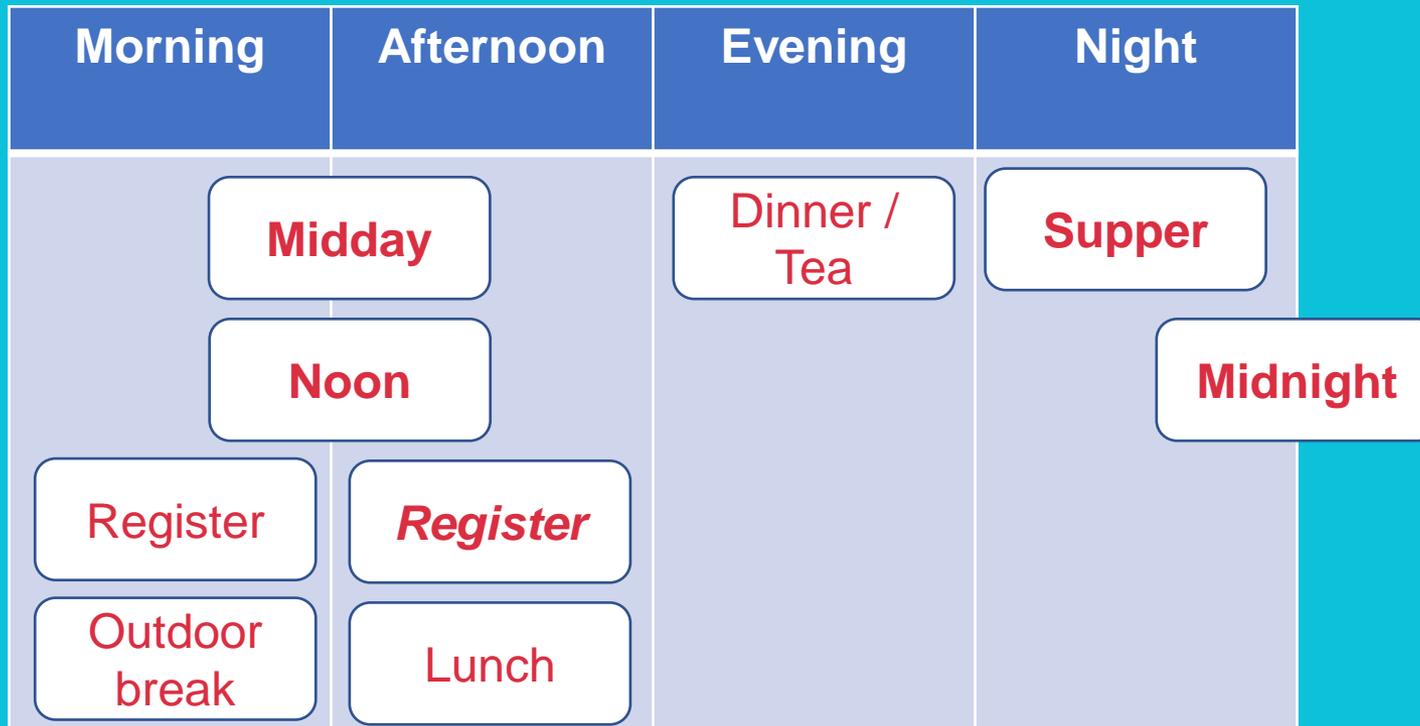
Paul has sorted the times and events onto the time diagram.
Are they in the right place? Can you correct any mistakes?



To know the numbers of hours in a day and days in a week

Activity 2:

Paul has sorted the times and events onto the time diagram.
Are they in the right place? Can you correct any mistakes?



To know the numbers of hours in a day and days in a week

Talking time:

Converting hours to days

What is missing here and why?

24 hours = day

12 hours = a day

48 hours = days

240 hours = days

How could you use the first fact to help you answer the rest?

To know the numbers of hours in a day and days in a week

Talking time:

Converting hours to days

What is missing here and why?

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12 hours = a day

48 hours = days

240 hours = days

How could you use the first fact to help you answer the rest?

To know the numbers of hours in a day and days in a week

Talking time:

Converting days to hours

What is missing here and why?

3 days = hours

4 days = hours

5 days = hours

One-and-a-half days = hours

How could you use the first fact to help you answer the rest?

To know the numbers of hours in a day and days in a week

Talking time:

Converting days to hours

What is missing here and why?

$$3 \text{ days} = \boxed{72} \text{ hours}$$

$$4 \text{ days} = \boxed{96} \text{ hours}$$

$$5 \text{ days} = \boxed{120} \text{ hours}$$

$$\text{One-and-a-half days} = \boxed{36} \text{ hours}$$

How could you use the first fact to help you answer the rest?

To know the numbers of hours in a day and days in a week

Activity 3: It is midnight on Thursday 14th.
Which statements do you agree with?

Mon	Tues	Wed	Thur	Fri	Sat	Sun
			7			
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

In 48 hours it will be Saturday.

24 hours ago, it was midnight on Wednesday 13th.

In 12 hours it will be Friday 15th.

I have four days of school left this week.

To know the numbers of hours in a day and days in a week

Activity 3: It is midnight on Thursday 14th.
Which statements do you **disagree** with and why?

Mon	Tues	Wed	Thur	Fri	Sat	Sun
			7			
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

In 48 hours it will be Saturday.

AGREED.
48 hours =
2 days

AGREED

24 hours ago, it was midnight on Wednesday 13th.

In 12 hours it will be Friday 15th.

DISAGREE.
In 24 hours it will be Friday.

DISAGREE.
Two of the days are Saturday and Sunday.

I have four days of school left this week.

To know the numbers of hours in a day and days in a week

Evaluation:

Prove It!

This calendar month of February includes a week's half-term holiday from school. Those dates have been crossed off.

Mon	Tues	Wed	Thur	Fri	Sat	Sun
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Success Criteria:

- I know there are always 7 days in a full week
- I know there are always 24 hours in a full day

That means that we have 14 days of school before the half-term holiday and 9 days afterwards.

Am I right? Yes or no? Prove it!

To know the numbers of hours in a day and days in a week

Evaluation:

Prove It!

This calendar month of February includes a week's half-term holiday from school. Those dates have been crossed off.

Mon	Tues	Wed	Thur	Fri	Sat	Sun
1	2	3	4	5	6	7
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Success Criteria:

- I know there are always 7 days in a full week
- I know there are always 24 hours in a full day

That means that we have 14 days of school before the half-term holiday and 9 days afterwards.

Am I right? Yes or no? Prove it!

I am not right. There are only 10 days before the holiday and 5 days afterwards because I counted the Saturdays and Sundays by mistake.

Now try these:

Work independently if you can.

Hours in a day

1 Write the times of day in order of when they happen.

afternoon morning midnight midday evening

2 Match the description to the correct number.

months in a year	5
days in a week	168
hours in a day	31
days in a non-leap year	7
hours in a week	24
days in a school week	365
maximum number of days in a month	12

3 Fill in the missing numbers.

a) 1 day = 24 hours

days = 48 hours

4 days = hours

days = 960 hours

41 days = hours

b) 1 week = 7 days

2 weeks = days

weeks = 21 days

60 weeks = days

63 weeks = days

4 Aisha arrives home at 11 o'clock.



Dora

It must be nearly lunchtime.



Amir

It must be dark outside.

Who do you agree with? _____

Explain your answer.

5 There are 5 days in a school week.

a) What is the difference in the number of days in 4 **school weeks** compared to 4 whole weeks?

b) There are 7 hours in a school day.

How many more hours are there in 5 full days than 5 school days?

Talk to a partner about how you worked out your answers.



6 Kim and Dexter are working out how many more hours are in the month of August than September.



I can work out how many hours are in August in total, how many hours are in September in total and subtract one from the other.

Kim thinks there is an easier way of working it out.

What might Kim's method be?

Talk about it with a partner.



7 Brett knows that there are 24 hours in one day, 48 hours in two days and 72 hours in three days.

Use these facts to work out how many hours there are in each month.

April

January

February of a non-leap year

February of a leap year

8 There are more days in October than September.

Therefore, there are more school days in October than September.

Is this always, sometimes or never true?

How do you know?

9 Esther goes to school for 5 hours each day.

There are no school holidays in the month of March.

How many hours could Esther spend at school in March?

Compare answers with a partner.

True or False ?

Hours in a day

If it is noon on Tuesday, in 24 hours it will be midnight on Wednesday.

ANSWER sheets

- Please check your answers using the answer sheets on the next slide.
- If you have made a mistake, can you explain what you did wrong and what you should have done instead?

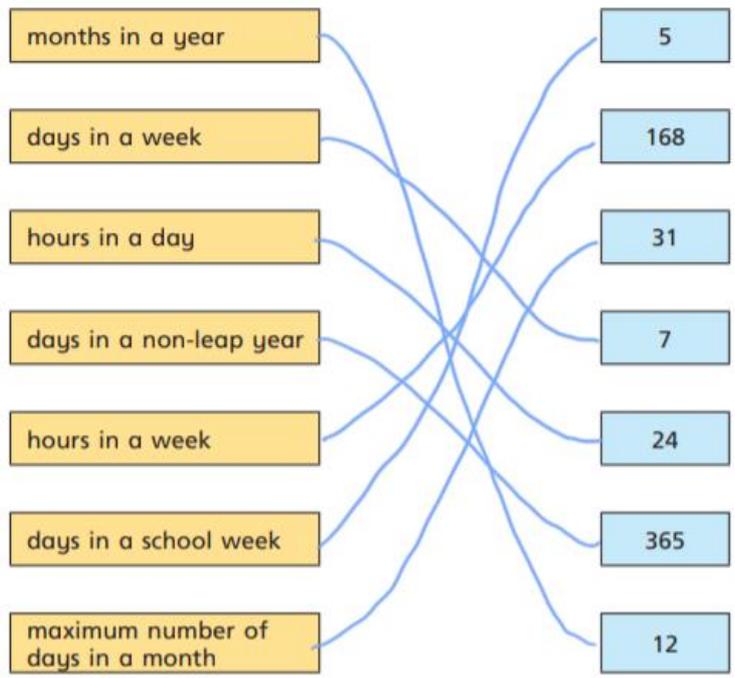
Hours in a day

1 Write the times of day in order of when they happen.

- afternoon morning midnight midday evening

morning midday afternoon
evening midnight

2 Match the description to the correct number.



3 Fill in the missing numbers.

a) 1 day = 24 hours

2 days = 48 hours

4 days = 96 hours

40 days = 960 hours

41 days = 984 hours

b) 1 week = 7 days

2 weeks = 14 days

3 weeks = 21 days

60 weeks = 420 days

63 weeks = 441 days

4 Aisha arrives home at 11 o'clock.



It must be nearly lunchtime.

Dora



It must be dark outside.

Amir

Who do you agree with? Can't tell

Explain your answer.

It depends whether it is 11 o'clock in the morning or at night.

5 There are 5 days in a school week.

a) What is the difference in the number of days in 4 school weeks compared to 4 whole weeks?

8

b) There are 7 hours in a school day.

How many more hours are there in 5 full days than 5 school days?

85

Talk to a partner about how you worked out your answers.



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I can work out how many hours are in August in total, how many hours are in September in total and subtract one from the other.

Kim thinks there is an easier way of working it out.

What might Kim's method be?

Talk about it with a partner.



7 Brett knows that there are 24 hours in one day, 48 hours in two days and 72 hours in three days.

Use these facts to work out how many hours there are in each month.

April 720

January 744

February of a non-leap year 672

February of a leap year 696

8 There are more days in October than September.

Therefore, there are more school days in October than September.

Is this always, sometimes or never true?

(Depends on school holidays and weekends)

Sometimes

How do you know?

9 Esther goes to school for 5 hours each day.

There are no school holidays in the month of March.

How many hours could Esther spend at school in March?

115

Compare answers with a partner.

False

If it is noon on Tuesday, in 24 hours it will be noon on Wednesday.