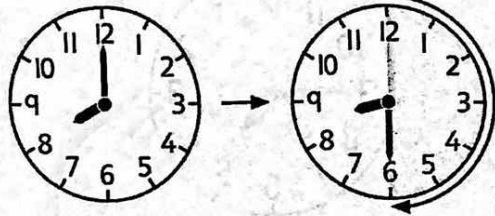


Name: _____

ME3-18 Half and Quarter Hours Gr.3 Math June 15-19

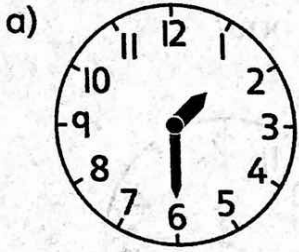


It is half an hour after 8:00.
The time is **half past 8**.

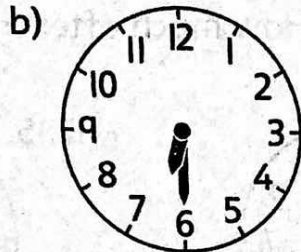
$6 \times 5 = 30$, so the time is 8:30.

Answers

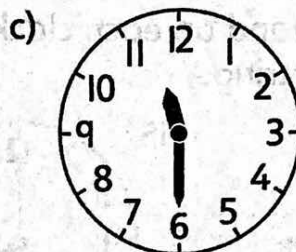
1. Write the time two ways.



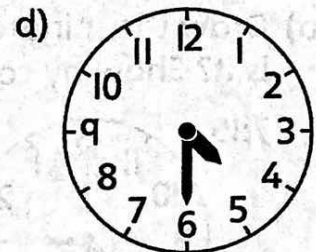
half past 1
1:30



half past 6
6:30



half past 11
11:30



half past 4
4:30

2. Write the time in numbers.

a) half past 8

8:30

b) half past 6

6:30

c) half past 10

10:30

d) half past 12

12:30

Some digital clocks do not show the first zero in the hours.

The clock shows half past 2.

3. Write the time in words and numbers.



half past 7



half past 9



half past 12



half past 1

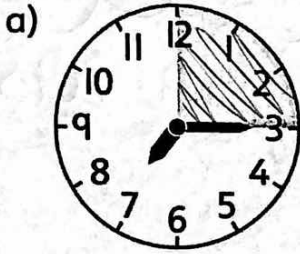


half past 10

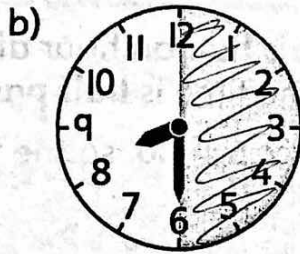


half past 5

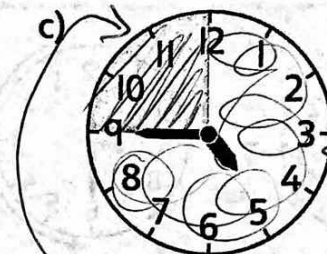
4. What fraction of the circle is shaded?



1/4

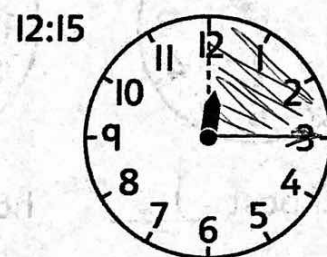
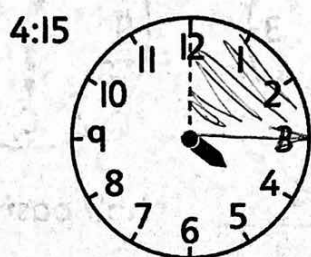
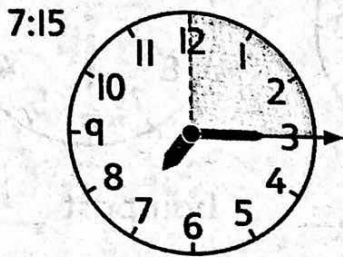


1/2



1/4 or 3/4

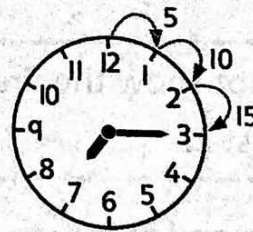
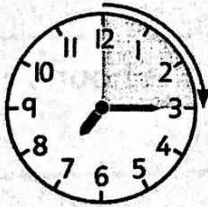
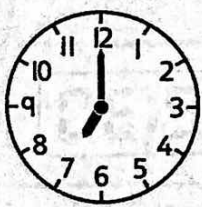
5. a) Draw the minute hand on each clock. How much after the hour is it? Show by colouring.



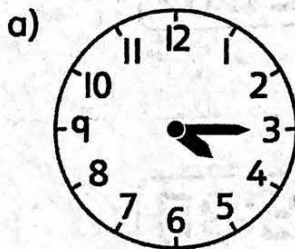
b) What fraction of each circle did you colour? 1/4

c) What fraction of an hour is 15 minutes? 1/4

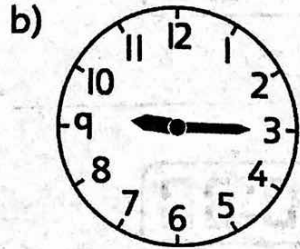
It is a quarter of an hour after 7:00 or quarter past 7.
 $3 \times 5 = 15$, so the time is 7:15.



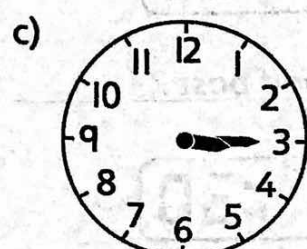
6. Write the time in words and numbers. Use "quarter" in your answer.



quarter past 4
4:15

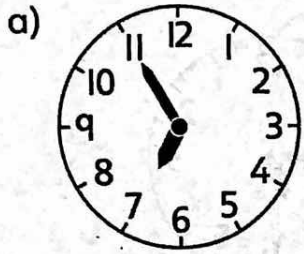


quarter past 9
9:15



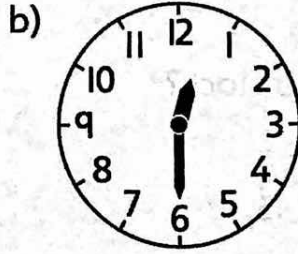
quarter past 3
3:15

7. Write the time in words. Use "half," "quarter," and "o'clock" when you can.

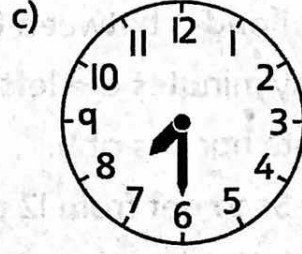


fifty-five minutes

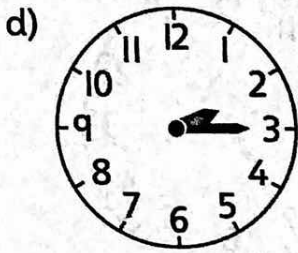
past six



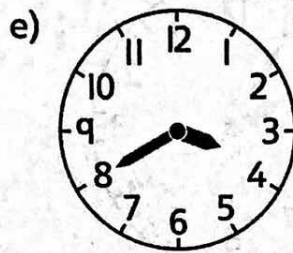
half past twelve



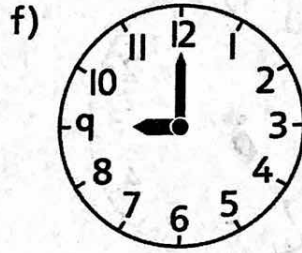
half past 7



quarter past 2



40 minutes past
3



9 o'clock



11 o'clock



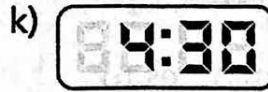
35 minutes past
10



twenty minutes
past one



quarter past
5

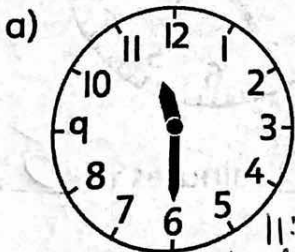


half past 4

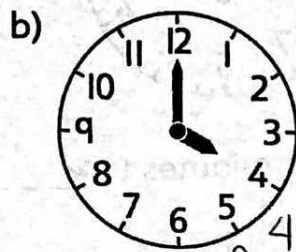


3 min past 8

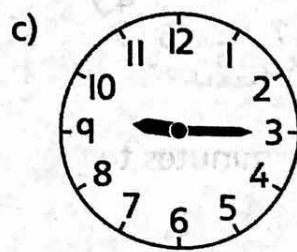
BONUS Write the time in as many ways as you can.



11:30
half past 11



4:00
four o'clock



9:15
quarter past
9

ME3-19 Minutes to the Hour

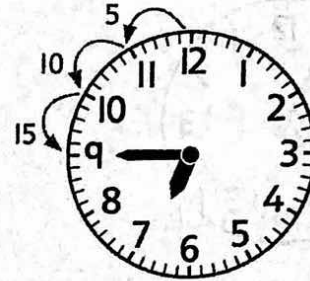
The hour hand is between 6 and 7.

How many minutes are left before 7 o'clock?

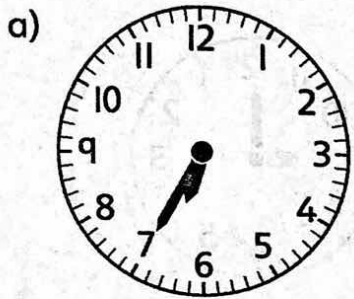
The minute hand is at 9.

Count by 5s to get from 12 to 9: 5, 10, 15.

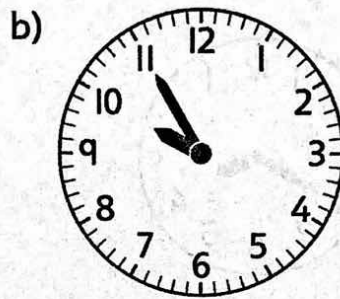
The time is 15 minutes to 7.



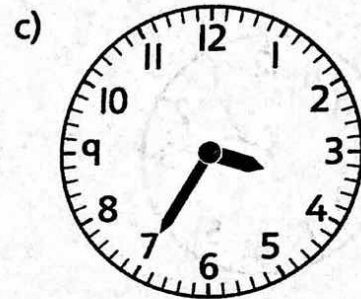
I. What time is it?



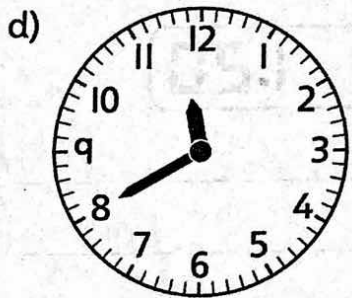
25 minutes to 7



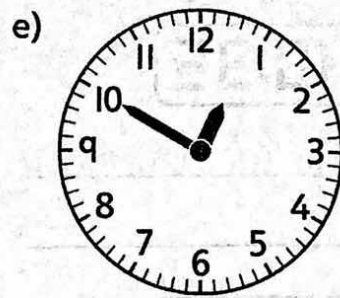
5 minutes to 10



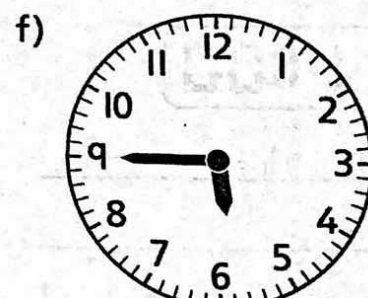
25 minutes to 4



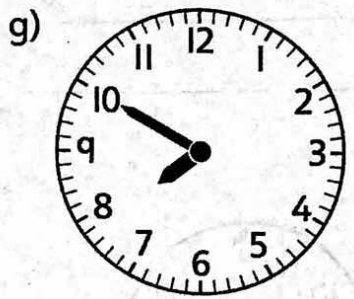
20 minutes to 12



10 minutes to 1



15 minutes to 6



10 minutes to 8

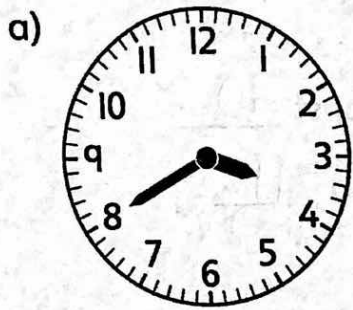


5 minutes to 3

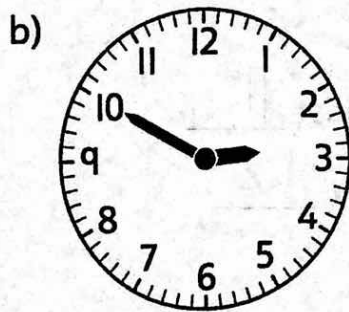


25 minutes to 5

2. Tell the time two ways, as minutes past the hour and minutes to the next hour.



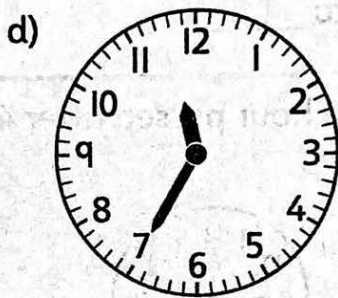
40 minutes past 3
20 minutes to 4



50 minutes past 2
10 minutes to 3



45 minutes past 7
15 minutes to 8



35 minutes past 11
25 minutes to 12

It is 4:40. How much time is left before 5 o'clock?
 There are 60 minutes in 1 hour. 40 minutes passed after 4:00.
 $60 - 40 = 20$ minutes left
 The time is 20 minutes to 5.



3. How many minutes are left before 5 o'clock? Write the subtraction equation.

a) 4:37

$60 - \underline{37}$
 $= \underline{23}$ min.

b) 4:05

$60 - \underline{5}$
 $= \underline{55}$ min.

c) 4:50

$60 - \underline{50}$
 $= \underline{10}$ min.

d) 4:58

$60 - \underline{58}$
 $= \underline{2}$ minutes



$60 - 25 = \underline{35}$



$60 - 45 = \underline{15}$

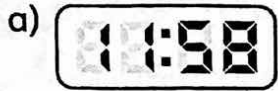


$60 - 36 = \underline{24}$



$60 - 41 = \underline{19}$

4. Tell the time two ways.



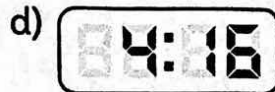
58 minutes past 11
2 minutes to 12



35 minutes past 10
25 minutes to 11

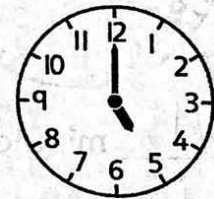
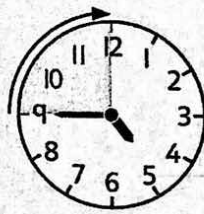
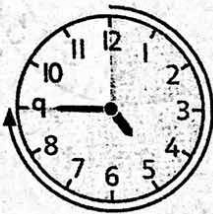
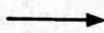


30 minutes past 5
30 minutes to 6



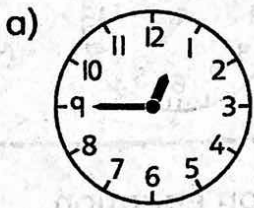
16 minutes past 4
44 minutes to 5

Three quarters of an hour passed after 4:00. One quarter of an hour is left before 5:00.

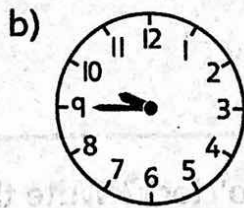


The time is **quarter to 5**.

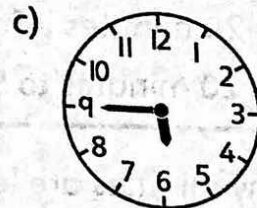
5. What time is it? Use "quarter to" in your answer.



quarter to 3



quarter to 10



quarter to 6



quarter to 2



quarter to 5



quarter to 8

6. Write the time in words in as many ways as you can.

a) 6:12

b) 7:15

c) 3:00

d) 12:45

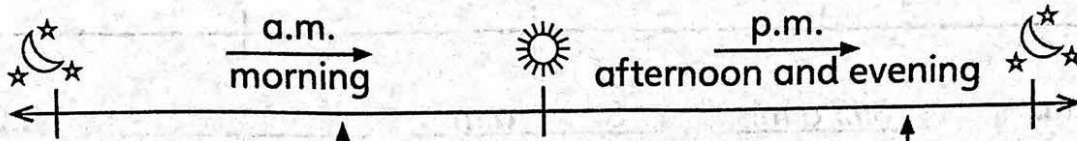
e) 10:30

f) 2:35

ME3-20 Timelines

Use **a.m.** to show times from 12:00 midnight to 11:59.

Use **p.m.** to show times from 12:00 noon to 11:59.



Examples:

Jay wakes up at 7:00 a.m.

Jay goes to bed at 9:15 p.m.

1. Write "a.m." or "p.m."

a) Lily eats breakfast at 7:30 a.m.

b) Ray goes to school at 8:15 a.m.

c) School ends at 3:35 p.m.

d) Dinner is at 5:30 p.m.

e) Karate class starts at 5:45 p.m.

f) The math test starts at 9:15 a.m.

2. Write the time. Use "a.m." or "p.m."

a) The morning TV show starts at

6:45 a.m.



b) The bedtime story ends at

9:55 p.m.



c) Hanna eats lunch at

12:20 p.m.



d) Anton gets to school at

8:40 a.m.



e) Half past 8 in the morning is

8:30 a.m.

f) Quarter past 5 in the evening is

5:15 p.m.

BONUS ▶

g) 3 hours before noon is

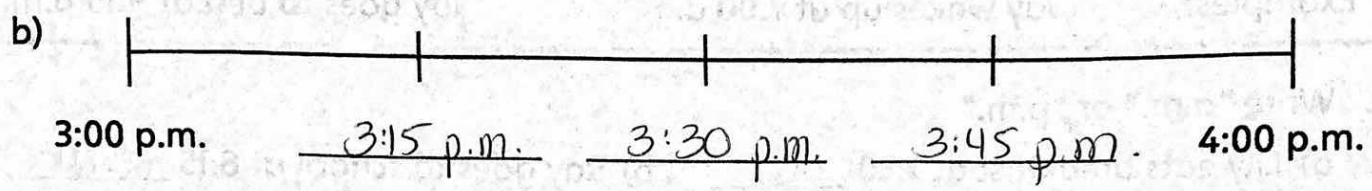
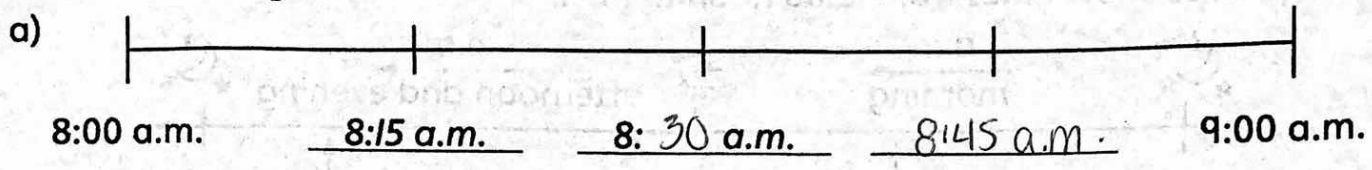
9:00 a.m.

h) 12 minutes after midnight is

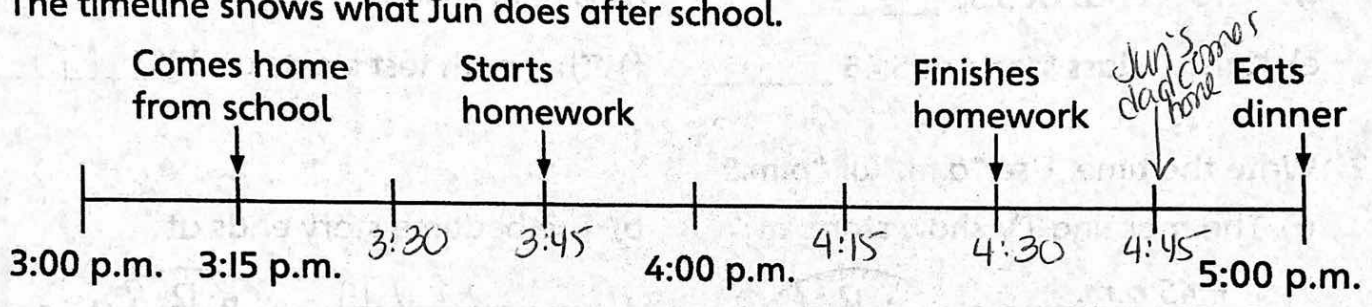
12:12 a.m.

Timelines are like number lines for time. They can show times or events in order.

3. Fill in the missing times on the timeline.



4. The timeline shows what Jun does after school.



a) Use Jun's timeline to fill in the table. Use "a.m." and "p.m."

Event	Time
Comes home from school	3:15 p.m.
Starts homework	3:45 p.m.
Finishes homework	4:30 p.m.

b) How much time does homework take? 45 minutes

c) How much time does he have after homework and before dinner? 30 minutes

d) Jun's dad comes home from work 15 minutes before dinner.
 At what time does Jun's dad come home? 4:45 p.m.
 Show this time on the timeline.

BONUS ▶ Is the time that passed from the time Jun starts homework to dinner more than 1 hour or less than 1 hour? How do you know?
more than 1 hour 3:45 → 5:00

ME3-21 Intervals of Time

1 week = 7 days

1 day = 24 hours

1 hour = 60 minutes

1. Skip count to fill in the table.

a)

Weeks	Days
1	7
2	14
3	21

b)

Days	Hours
1	24
2	48
3	72

c)

Hours	Minutes
1	60
2	120
3	180

2. a) Nina's birthday is in 2 weeks. How many days until Nina's birthday? 14 days

b) A weekend is 2 days long. How many hours long is one weekend? 48 hours

3. A train ride from Toronto to Vancouver takes 87 hours. How long is the trip? Circle the correct answer.

between 2 and 3 days

between 3 and 4 days

between 4 and 5 days

4. A test is 90 minutes long.

a) Is the test longer than 1 hour? yes

b) Is the test longer than 2 hours? no

5. Ronin walks his dog 3 times a day, 20 minutes each time.

a) How many minutes does he walk his dog in one day? 60 minutes

b) How many hours does he walk his dog in one day? 1 hour

c) How many hours each week does Ronin spend walking his dog? 7 hours

6. Zara exercises 40 minutes every day.

a) How many minutes does she exercise in one week?

Hint: Skip count by 40. 280 minutes

b) A doctor says Zara should exercise at least 3 hours a week.

Does she exercise enough? yes

7. Multiply by 7 to convert weeks to days. Add the leftover days.

a) 2 weeks 3 days

$$2 \text{ weeks} = \underline{14} \text{ days}$$

2 weeks 3 days

$$= \underline{14 + 3} \text{ days}$$

$$= \underline{17} \text{ days}$$

b) 3 weeks 2 days

$$3 \text{ weeks} = \underline{21} \text{ days}$$

3 weeks 2 days

$$= \underline{21 + 2} \text{ days}$$

$$= \underline{23} \text{ days}$$

c) 4 weeks 5 days

$$4 \text{ weeks} = \underline{28} \text{ days}$$

4 weeks 5 days

$$= \underline{28 + 5} \text{ days}$$

$$= \underline{33} \text{ days}$$

d) 1 week 5 days

$$= \underline{7 + 5} \text{ days}$$

$$= \underline{12} \text{ days}$$

e) 3 weeks 6 days

$$= \underline{21 + 6} \text{ days}$$

$$= \underline{27} \text{ days}$$

f) 5 weeks 1 day

$$= \underline{35 + 1} \text{ days}$$

$$= \underline{36} \text{ days}$$

BONUS ▶ Circle the time periods in Question 7 that are longer than 1 month.

8. Change the hours to minutes. Add the leftover minutes.

a) 2 hours 3 minutes

$$= \underline{120 + 3} \text{ minutes}$$

$$= \underline{123} \text{ minutes}$$

b) 3 hours 20 minutes

$$= \underline{180 + 20} \text{ minutes}$$

$$= \underline{200} \text{ minutes}$$

c) 4 hours 15 minutes

$$= \underline{240 + 15} \text{ minutes}$$

$$= \underline{255} \text{ minutes}$$

d) 1 hour 55 minutes

$$60 + 55 = 115 \text{ minutes}$$

e) 3 hours 30 minutes

$$180 + 30 = 210 \text{ min.}$$

f) 5 hours 1 minute

$$300 + 1 = 301 \text{ minutes}$$

9. Tom reads a book for 1 hour 45 minutes. Kathy reads a book for 115 minutes. Who spends more time reading? How much longer does this person read?

Kathy, 10 more minutes.

10. There are 52 weeks in 1 year.

a) Iva is exactly 2 years old. How many weeks old is Iva? 104 weeks

b) Lewis is 42 weeks old. Nora is 30 weeks ⁽⁷²⁾ older than Lewis. Who is older, Nora or Iva? Explain. Iva (104 weeks) compared to Nora 72 weeks

c) Marcel is 6 weeks younger than Iva. Who is older, Nora or Marcel? Explain. Marcel (98 weeks), as Nora is 72 weeks

11. A decade is 10 years long. A century is 100 years long. A millennium is 1000 years long. If a ones block represents 1 year, what do the other base ten blocks represent?

$$\square = 1 \text{ year}$$

$$\square \square \square \square \square \square \square \square \square \square = \text{century}$$

ME3-22 Units of Time

1 minute = 60 seconds

1. a) Fill in the table.

Minutes	1	2	3	4	5	6
Seconds	60	120	180	240	300	360

b) Ava runs for 3 minutes. How many seconds does she run for? 180 seconds

2. Change the minutes to seconds. Add the leftover seconds.

a) 2 minutes 7 seconds

$$= \underline{120 + 7} \text{ seconds}$$

$$= \underline{127} \text{ seconds}$$

b) 3 minutes 40 seconds

$$= \underline{180 + 40} \text{ seconds}$$

$$= \underline{220} \text{ seconds}$$

c) 4 minutes 23 seconds

$$= \underline{240 + 23} \text{ seconds}$$

$$= \underline{263} \text{ seconds}$$

d) 1 minute 57 seconds

$$= \underline{60 + 57} \text{ seconds}$$

$$= \underline{117} \text{ seconds}$$

e) 6 minutes 10 seconds

$$= \underline{360 + 10} \text{ seconds}$$

$$= \underline{370} \text{ seconds}$$

f) 5 minutes 5 seconds

$$= \underline{300 + 5} \text{ seconds}$$

$$= \underline{305} \text{ seconds}$$

3. Bill can run 500 m in 1 minute 50 seconds. Ethan can run 500 m in 103 seconds. Who can run 500 m faster? Ethan, by 7 seconds

4. What unit of time would you use in the answer? Choose from seconds, minutes, hours, days, months, and years.

a) How long is your favourite TV show? minutes or hours

b) How old are you? years

c) How long is the school day? hours

d) How long does it take you to run 100 m? seconds

e) How long is March Break? days

f) How long is the summer vacation? months

g) How long ago did Nunavut become a territory? years

h) How long does it take you to do 10 jumping jacks? seconds

i) How long is one half of a soccer game? minutes

5. Does the activity take less than 1 minute or more than 1 minute?

- a) eating breakfast more b) blinking 10 times less c) brushing your teeth less
 d) watering a plant less e) going to school more f) playing a hockey game more

6. Does the activity take less than 1 hour or more than 1 hour?

- a) eating lunch less b) sleeping at night more c) brushing your teeth less
 d) making a bed less e) getting dressed less f) the school day more

7. Use a calendar to fill in the tables.

Month	Number of Days
January	31
February	28
March	31
April	30

Month	Number of Days
May	31
June	30
July	31
August	31

Month	Number of Days
September	30
October	31
November	30
December	31

8. a) Jennifer's birthday is on July 23. Luc's birthday is 10 days after Jennifer's. When is Luc's birthday? August 2nd

b) Kate's birthday is on April 20. Glen's birthday is 2 weeks later. When is Glen's birthday? May 4th

c) Sandy's birthday is 3 weeks before Kate's. When is Sandy's birthday? March 31st

BONUS ▶ It takes about 15 minutes to walk 1 km.

a) Will walking 5 km take less than 1 hour, about 1 hour, or more than 1 hour?

b) About how many kilometres can you walk in 1 hour? 7