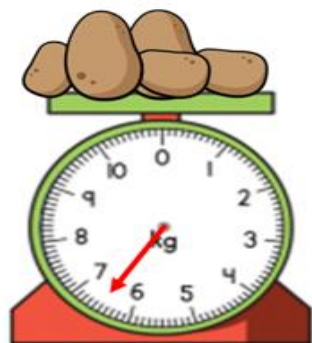


SIMMERING BRONZE

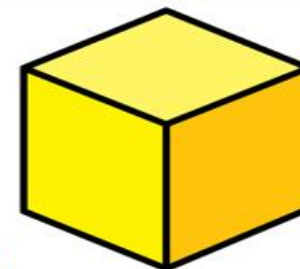
Flashback 4

Year 3 | Week 9 | Day 4



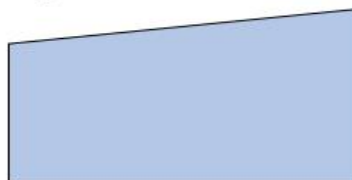
1)

The potatoes weigh kg and g



2)

How many pairs of perpendicular lines are in the shape?



3)

How many acute angles are in the shape above?



4)

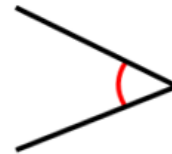
Which number is represented?

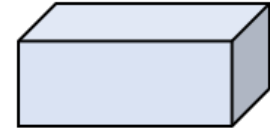


Flashback 4

Year 4 | Week 8 | Day 4

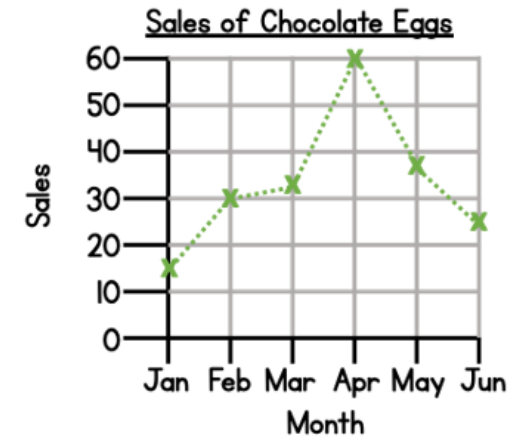
1) What type of angle is this?





2) True or False?

More chocolate eggs were sold in
May than March.



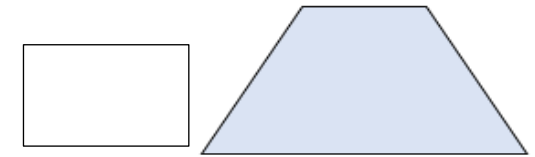
3) How many days are in a leap year?

4) Divide 462 by 3

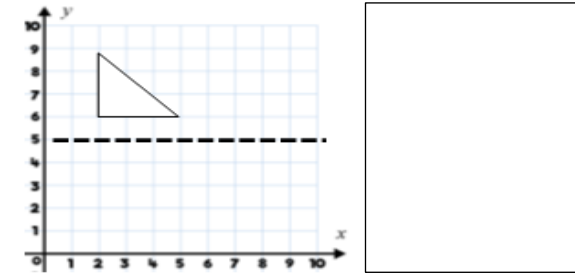
Flashback 4

Year 5 | Week 9 | Day 4

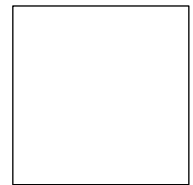
1) How many mm are the same as 0.6 m?



2) What will the coordinates of the vertices be if the triangle is reflected in the mirror line?



3) What is the sum of the angles in a full turn?

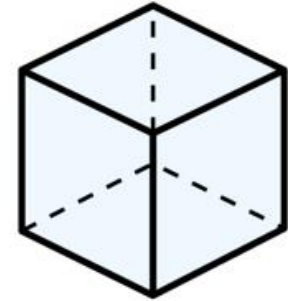


4) Add 6,294 to 7,341

Flashback 4

Year 6 | Week 1 | Day 3

1) How many degrees are there in a right angle?



2) Eva mixes 2 parts of juice with 3 parts of water. If she uses 10 parts of juice, how many parts of water should she use?

3) Find the perimeter of the square.

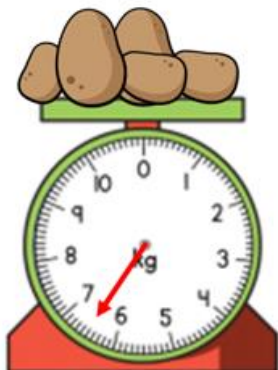


21 cm

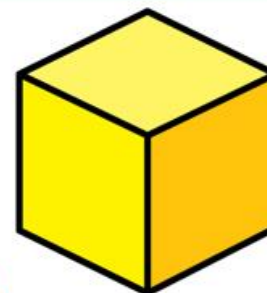
4) Round 7,825 to the nearest hundred.

Flashback 4

Year 3 | Week 9 | Day 4

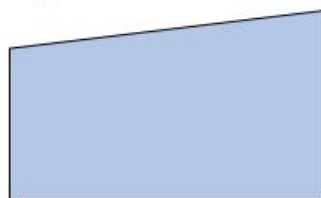


1)

The potatoes weigh 6 kg and 500g

2)

How many pairs of perpendicular lines are in the shape?



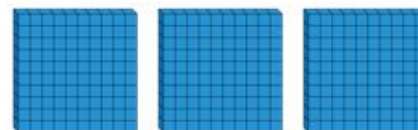
2

3)

How many acute angles are in the shape above? |

4)

Which number is represented?

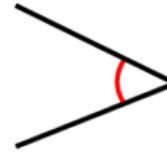


304

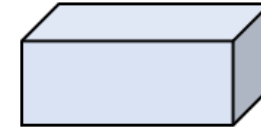
Flashback 4

Year 4 | Week 8 | Day 4

1) What type of angle is this?

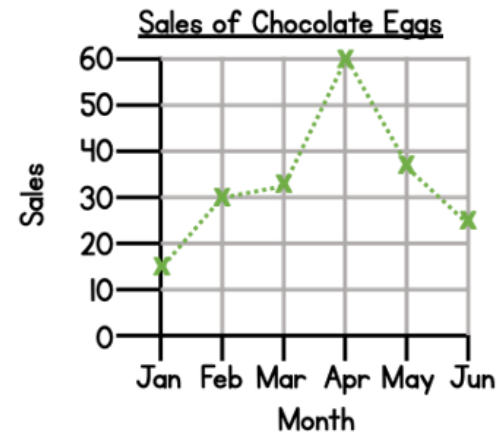


acute angle



2) True or False?

More chocolate eggs were sold in
May than March. **True**



3) How many days are in a leap year?

366 days

4) Divide 462 by 3

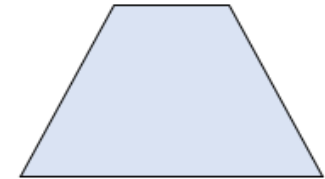
154

Flashback 4

Year 5 | Week 9 | Day 4

1) How many mm are the same as 0.6 m?

600



2) What will the coordinates of the vertices be if the triangle is reflected in the mirror line?



(2,4)

(5,4)

(2,1)

3) What is the sum of the angles in a full turn?

360°

4) Add 6,294 to 7,341

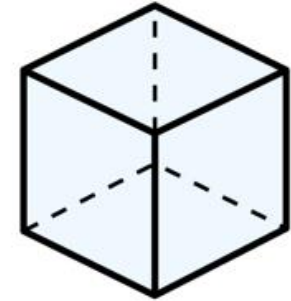
13,635

Flashback 4

Year 6 | Week 1 | Day 3

1) How many degrees are there in a right angle?

90



2) Eva mixes 2 parts of juice with 3 parts of water. If she uses 10 parts of juice, how many parts of water should she use?

15

3) Find the perimeter of the square.



21 cm

84 cm

4) Round 7,825 to the nearest hundred.

7,800

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

LEVEL 1 - HOURS IN A DAY

LEVEL 2 - MEASURING TIME IN SECONDS

LEVEL 3 - HOURS MINUTES AND SECONDS

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 = $\frac{1}{4}$ AN 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 YEARS = 366 DAYS = 52 WEEKS = 1 LEAP YEAR

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.



- 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.

1 The table shows how long it took four children to run a race.

Child	Time
Annie	2 minutes 40 seconds
Dora	2 minutes 3 seconds
Tommy	2 minutes 30 seconds
Teddy	2 minutes 4 seconds

a) Match each child to a time.



Annie



Dora



Tommy



Teddy

00:02:30

00:02:04

00:02:03

00:02:40

b) Using the fact that there are 60 seconds in one minute, write each child's time in seconds.

2 Scott draws a bar model to help him convert 3 minutes and 17 seconds into seconds.

60	60	60	17
----	----	----	----

$60 + 60 + 60 + 17 = 197$
 So 3 minutes and 17 seconds = 197 seconds

Talk to a partner about why Scott's method works.



3 Complete the statements.

a) 2 minutes and 17 seconds = seconds

b) 5 minutes and 12 seconds = seconds

c) 4 minutes and 42 seconds = seconds

d) 3 minutes and seconds = 199 seconds

e) minutes and 7 seconds = 367 seconds

f) minutes and seconds = 261 seconds

g) 654 seconds = minutes and seconds

4 Write <, > or = to compare the times.

a) 1 minute and 23 seconds 81 seconds

b) 2 minutes and 15 seconds 135 seconds

c) 89 seconds 1 minute and 34 seconds

5



327 seconds is the same as 3 minutes and 27 seconds.

Do you agree with Whitney?

Why?

3 Complete the statements.

- a) 2 minutes and 17 seconds = seconds
- b) 5 minutes and 12 seconds = seconds
- c) 4 minutes and 42 seconds = seconds
- d) 3 minutes and seconds = 199 seconds
- e) minutes and 7 seconds = 367 seconds
- f) minutes and seconds = 261 seconds
- g) 654 seconds = minutes and seconds

4 Write <, > or = to compare the times.

- a) 1 minute and 23 seconds 81 seconds
- b) 2 minutes and 15 seconds 135 seconds
- c) 89 seconds 1 minute and 34 seconds

5



327 seconds
is the same as 3 minutes
and 27 seconds.

Do you agree with Whitney?

Why?



6

How long does the roller coaster ride last in minutes and seconds?



7

Alex, Jack and Amir are doing a puzzle. They want to know who did it the quickest.



I did it in
152 seconds.

Alex

I did it in
2 minutes and
42 seconds.



Jack



I did it
10 seconds faster
than Alex.

Amir

a) How long did each child take to complete the puzzle? Give your answer in seconds, and in minutes and seconds.

b)



I won
because my time
was highest!

Jack

Do you agree with Jack?

Talk about it with a partner.

1 Sort the activities into the table depending on approximately how long each one takes to complete.

- travel to school
- wash and dry laundry
- get dressed
- travel to the Moon
- watch a TV show
- listen to a song
- eat a small chocolate bar
- sneeze
- write your name

Less than 10 seconds	Less than 1 minute	Less than 5 minutes	Less than 1 hour	More than 1 hour

2 Complete the statements.

- a) one minute = seconds c) one day = hours
 2 minutes = seconds 3 days = hours
 4 minutes = seconds 12 days = hours
 eighty minutes = seconds thirty days = hours
- b) 1 hour = minutes d) 1 minute = seconds
 5 hours = minutes 1 hour = minutes
 ten hours = minutes 1 hour = seconds
 15 hours = minutes 2 hours = seconds

How did you work this out? Talk about it with a partner.



3 Write <, > or = to complete the statements.

- 5 minutes 5 seconds $\frac{1}{2}$ hour 60 minutes
 5 minutes 50 seconds $\frac{1}{2}$ hour 6 minutes
 5 minutes 500 seconds 30 minutes $\frac{1}{2}$ hour

4 Huan ran a race in 3.5 minutes.
 Eva ran the race in 312 seconds.
 Who was quicker?
 How much quicker were they?

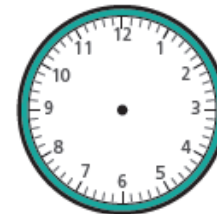
5 The time is 10 past 3



Draw hands on the clocks to show what time it will be:

a) in 10 minutes

b) in 60 minutes



3 Write $<$, $>$ or $=$ to complete the statements.

5 minutes 5 seconds $\frac{1}{2}$ hour 60 minutes

5 minutes 50 seconds $\frac{1}{2}$ hour 6 minutes

5 minutes 500 seconds 30 minutes $\frac{1}{2}$ hour

4 Huan ran a race in 3.5 minutes.

Eva ran the race in 312 seconds.

Who was quicker?

How much quicker were they?

5 The time is 10 past 3

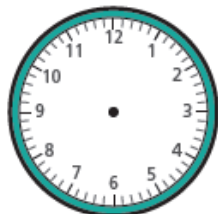


Draw hands on the clocks to show what time it will be:

a) in 10 minutes



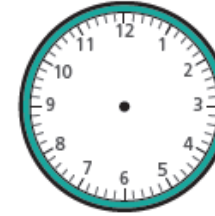
b) in 60 minutes



c) in 120 seconds



d) in 1.5 hours



6 Scott, Esther and Dani timed how long it took to have a shower.

Scott = $\frac{1}{10}$ hour Esther = 315 seconds Dani = 3 mins 27 secs

How long did it take them in total?

What was the difference between the longest and shortest times?

7 Brett, Annie, Aisha and Filip are going on holiday.

Here are the total lengths of their journeys.

Brett	12 hours longer than Filip
Annie	$1\frac{1}{4}$ days
Aisha	twice as long as Brett
Filip	360 minutes

Work out how many hours it took each person.

Place them in order from the shortest to the longest journey.



Hours in a day

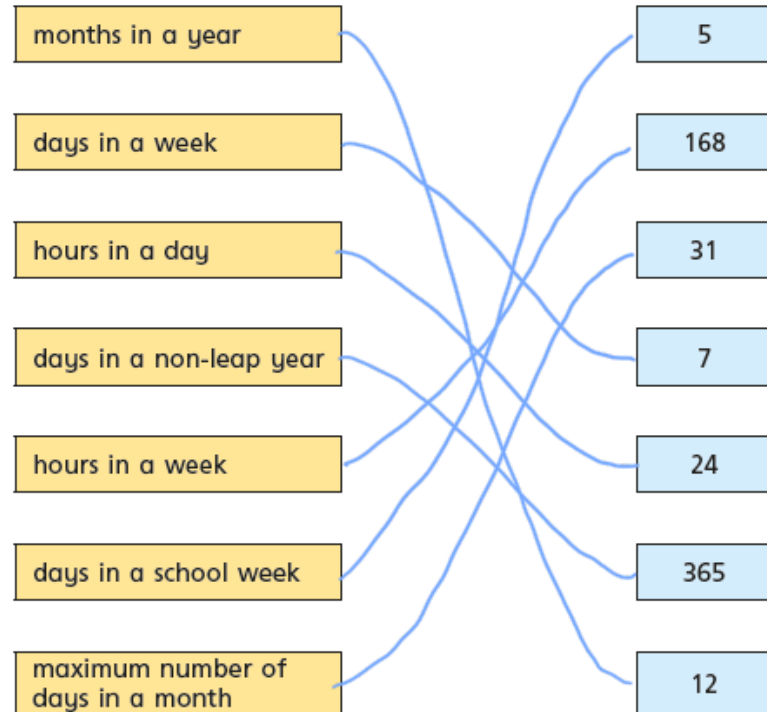
LEVEL 1 ANSWERS

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.

LEVEL 1 ANSWERS

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.



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?

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.



Measuring time in seconds

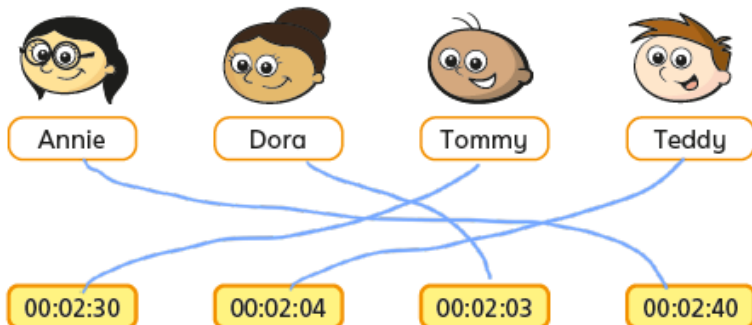
LEVEL 2 ANSWERS



1 The table shows how long it took four children to run a race.

Child	Time
Annie	2 minutes 40 seconds
Dora	2 minutes 3 seconds
Tommy	2 minutes 30 seconds
Teddy	2 minutes 4 seconds

a) Match each child to a time.



b) Using the fact that there are 60 seconds in one minute, write each child's time in seconds.

Annie seconds Tommy seconds
 Dora seconds Teddy seconds

2 Scott draws a bar model to help him convert 3 minutes and 17 seconds into seconds.

60	60	60	17
----	----	----	----

$60 + 60 + 60 + 17 = 197$
 So 3 minutes and 17 seconds = 197 seconds

Talk to a partner about why Scott's method works.

3 Complete the statements.

- a) 2 minutes and 17 seconds = seconds
- b) 5 minutes and 12 seconds = seconds
- c) 4 minutes and 42 seconds = seconds
- d) 3 minutes and seconds = 199 seconds
- e) minutes and 7 seconds = 367 seconds
- f) minutes and seconds = 261 seconds
- g) 654 seconds = minutes and seconds



4 Write $<$, $>$ or $=$ to compare the times.

LEVEL
12ANSWER

- a) 1 minute and 23 seconds $>$ 81 seconds
- b) 2 minutes and 15 seconds $=$ 135 seconds
- c) 89 seconds $<$ 1 minute and 34 seconds

5



327 seconds
is the same as 3 minutes
and 27 seconds.

Do you agree with Whitney? No
Why?

6 How long does the
roller coaster ride last
in minutes and seconds?

The roller coaster ride lasts
2 minutes and 17 seconds.



7 Alex, Jack and Amir are doing a puzzle.

They want to know who did it the quickest.



I did it in
152 seconds.

Alex

I did it in
2 minutes and
42 seconds.



Jack



I did it
10 seconds faster
than Alex.

Amir

a) How long did each child take to complete the puzzle?
Give your answer in seconds, and in minutes and seconds.

Alex 152 seconds 2 minutes and 32 seconds

Jack 162 seconds 2 minutes and 42 seconds

Amir 142 seconds 2 minutes and 22 seconds

b)  I won
because my time
was highest!

Jack

Do you agree with Jack? No

Talk about it with a partner.

Hours, minutes and seconds

LEVEL 3 ANSWERS

1 Sort the activities into the table depending on approximately how long each one takes to complete.

- travel to school
- wash and dry laundry
- get dressed
- travel to the Moon
- watch a TV show
- listen to a song
- eat a small chocolate bar
- sneeze
- write your name

e.g.

Less than 10 seconds	sneeze write your name
Less than 1 minute	eat a small chocolate bar
Less than 5 minutes	get dressed listen to a song
Less than 1 hour	travel to school watch a TV show
More than 1 hour	travel to the moon wash and dry laundry

2 Complete the statements.

- a) one minute = 60 seconds b) 1 hour = 60 minutes
- 2 minutes = 120 seconds 5 hours = 300 minutes
- 4 minutes = 240 seconds ten hours = 600 minutes
- eighty minutes = 4,800 seconds 15 hours = 900 minutes

- c) one day = 24 hours d) 1 minute = 60 seconds
- 3 days = 72 hours 1 hour = 60 minutes
- 12 days = 288 hours 1 hour = 3,600 seconds
- thirty days = 720 hours 2 hours = 7,200 seconds

How did you work this out? Talk about it with a partner.



3 Write <, > or = to complete the statements.

- 5 minutes > 5 seconds
- 5 minutes > 50 seconds
- 5 minutes < 500 seconds
- $\frac{1}{2}$ hour < 60 minutes
- $\frac{1}{2}$ hour > 6 minutes
- 30 minutes = $\frac{1}{2}$ hour

4 Huan ran a race in 3.5 minutes.

Eva ran the race in 312 seconds.

Who was quicker?

Huan was quicker.

How much quicker were they?

1 minute 42 seconds quicker

5 The time is 10 past 3



Draw hands on the clocks to show what time it will be:

a) in 10 minutes



c) in 120 seconds



b) in 60 minutes



d) in 1.5 hours



6 Scott, Esther and Dani timed how long it took to have a shower.

Scott = $\frac{1}{10}$ hour Esther = 315 seconds Dani = 3 mins 27 secs

How long did it take them in total? 882 seconds

What was the difference between the longest and shortest times?

2 minutes 33 seconds

LEVEL 3 ANSWERS



7 Brett, Annie, Aisha and Filip are going on holiday. Here are the total lengths of their journeys.

Brett	12 hours longer than Filip
Annie	$1\frac{1}{4}$ days
Aisha	twice as long as Brett
Filip	360 minutes

Work out how many hours it took each person.

Place them in order from the shortest to the longest journey.

	Name	Time
shortest journey	Filip	6 hours
	Brett	18 hours
	Annie	30 hours
longest journey	Aisha	36 hours