

YEAR 5 WEEK 3 - MONDAY ANSWERS

Week 3 Monday Spelling - ANSWERS

Today we are learning about the digraph /cc/ making the sound "k" as in soccer.

1. Say the word
2. Say the word again, slowly
3. Sound it out - tap out each sound with your fingers
4. Count the sounds
5. Write the letters

Complete the table below.

Word	Number of phonemes	1	2	3	4	5	6	7	8	9
soccer	4	s	o	cc	er "eh"					
occur	3	o	cc	ur						
broccoli	7	b	r	o "eh"	cc	o	l	i		
occasion	6	o	cc	a	si	o	n			
account	5	a "eh"	cc	ou	n	t				

Activity

Choose a spelling activity from the spelling grid and write below which one you have chosen. You must complete 3 spelling activities from the grid this week.

VOCABULARY SENTENCES: ANSWERS WILL VARY

ANSWER KEY

WHAT IS THE MAIN IDEA?

There polar bear population is declining/could go extinct.

3 DETAILS THAT SUPPORT THE MAIN IDEA.

DETAIL #1:

The ice is melting in their habitat and taking away their main food source.

DETAIL #2:

Mother polar bears can't produce milk for their cubs and can potentially stop reproducing.

DETAIL #3:

The ice is taking even longer to grow and their habitat is warming faster than anywhere else.

VOCABULARY CHECK:

Find and highlight the words in the text. Then define.

Detrimental:

Tending to cause harm.

Extinct:

Having no living members: no longer in existence.

Reproducing:

Produce offspring.

Nourishment:

The food or other substances needed for growth & health.

COMPREHENSION CHECK:

Why is melting ice dangerous for the polar bears?

They go to the ice for their main food source: seals.

What happens if polar bears stop reproducing?

If they stop reproducing, the population will decline even faster.

WHAT IS THE AUTHOR'S PURPOSE?

To inform the reader about the population decline of polar bears and why it's happening.

MONDAY MENTALS ANSWERS

1. $45 + 37 = 82$

2. $76 - 23 = 53$

3. $10 \times 16 = 160$

4. How many fours in 36 = 9

5. $9000 + 600 + 80 + 5 = 9685$

6. 4 km = 4000 m

7. Double \$4.95 = $\$9.90$

8. $36 + 37 = 73$

9. Is 11:36am before noon?
Yes / No

10. A hexagonal prism has 8 faces

11. Sum of 138 and 247 = 385

12. Take 34 from 96 = 62

13. $3 \times 20 = 60$

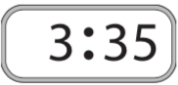
14. 50% of \$65 = $\$32.50$

15. $20 \times 8 = 160$

16. Is 65° an acute angle? Yes / No

PS. What is the time shown on this clock?

- a) Thirty-five minutes to 3
- b) Thirty-five minutes past 4
- c) Twenty-five minutes past 3
- d) Twenty-five minutes to 4



addition using distributive property - what does that look like?

for example,

$574 + 921 =$

(hundreds column)	(tens column)	(ones column)
$500 + 900$	$70 + 20$	$4 + 1$
$= 1400$	$= 90$	$= 5$

add them all together now $\rightarrow 1400 + 90 + 5 = 1495$

ADDITION USING DISTRIBUTIVE PROPERTY

Choose a level (A, B or C) and use this strategy to solve the addition questions. Make sure you watch your teacher's videos and show your working out. Challenge yourself! Do 2 levels.

<p>A)</p> <p>$89 + 77 = 166$</p> <p>$80 + 70 = 150$ $9 + 7 = 16$</p> <p>$56 + 83 = 139$</p> <p>$50 + 80 = 130$ $6 + 3 = 9$</p> <p>$29 + 45 = 74$</p> <p>$20 + 40 = 60$ $9 + 5 = 14$</p>	<p>B)</p> <p>$245 + 312 = 557$</p> <p>$200 + 300 = 500$ $40 + 10 = 50$ $5 + 2 = 7$</p> <p>$541 + 216 = 757$</p> <p>$500 + 200 = 700$ $40 + 10 = 50$ $1 + 6 = 7$</p> <p>$291 + 728 = 1019$</p> <p>$200 + 700 = 900$ $90 + 20 = 110$ $1 + 8 = 9$</p>	<p>C)</p> <p>$1543 + 914 = 2457$</p> <p>1000 $500 + 900 = 1400$ $40 + 10 = 50$ $3 + 4 = 7$</p> <p>$1078 + 389 = 1467$</p> <p>$1000 + 300 = 1300$ $70 + 80 = 150$ $8 + 9 = 17$</p> <p>$2336 + 1032 = 3368$</p> <p>$2000 + 1000 = 3000$ 300 $30 + 30 = 60$ $6 + 2 = 8$</p>
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TIME - RECAP

This week for maths we are focusing on calculating the duration of time and converting between 12-hour and 24-hour time. Firstly, let's revise what we should already know about time...

Connect these time facts:

1 minute	24 hours	1 year	10 years
1 hour	365 days	1 fortnight	100 years
1 day	60 seconds	1 decade	12 months
1 year	60 minutes	1 century	14 days

How many minutes are there in the following hours?

- a 2 hours = 120 minutes
- b $\frac{1}{4}$ hour = 15 minutes
- c $\frac{1}{2}$ hour = 30 minutes
- d $\frac{3}{4}$ hour = 45 minutes
- e 4 hours = 240 minutes
- f 6 hours = 360 minutes

How many seconds are there in the following times?
You may use a calculator.

- a 2 minutes = 120 seconds
- b 5 minutes = 300 seconds
- c 1 hour = 3600 seconds
- d $\frac{1}{2}$ hour = 1800 seconds
- e $\frac{1}{2}$ minute = 30 seconds
- f $\frac{1}{4}$ hour = 900 seconds

I need to remember to change hours to minutes first. Then I can convert to seconds.



THINK

Use the information in the top box to work out these time facts:

- a 1 decade = 120 months
- b 1 century = 100 years
- c 2 fortnights = 28 days
- d $\frac{1}{2}$ century = 50 years
- e 1 week = 168 hours
- f 2 years = 730 days

Draw a line from each clock to its matching time in words:

We use am and pm with digital time.

am → The part of the day between 12 midnight and 12 noon.

pm → The part of the day between 12 noon and 12 midnight.

1 Express these times in digital form using am or pm:



morning

a 8:00 am



afternoon

b 4:30 pm



evening

c 11:25 pm



morning

d 7:10 am



morning

e 5:00 am



evening

f 10:20 pm



afternoon

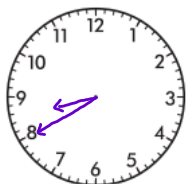
g 5:30 pm



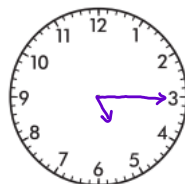
morning

h 9:10 am

2 Draw hands on these analogue clocks to match the digital times:



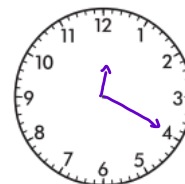
a 8:40 am



b 5:15 pm



c 10:30 am



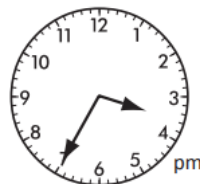
d 12:20 pm

3 Put these times in order from earliest to latest. Express the times in digital form:



A quarter past 5 in the evening

11:10 am



1 11:10 am

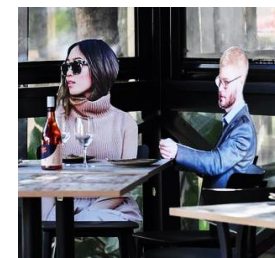
2 11:40 am

3 3:35 pm

4 5:15 pm

HISTORY ANSWERS: WORKSHEET 43 - ANSWERS WILL VARY. EXAMPLE ANSWERS INCLUDE - AUSTRALIAN GOVERNMENT WEBSITE, PARLIAMENT OF AUSTRALIA WEBSITE, NATIONAL ARCHIVES OF AUSTRALIA WEBSITE. WORKSHEET 44 - ANSWERS WILL VARY. STUDENTS CAN REPLICATE 'CLASSROOM RULES'.

EXTEND YOURSELF HISTORY: ANSWERS WILL VARY



1. To get some customers, a café has made some cardboard cut-outs of people to sit at empty tables, to create a café atmosphere. If they had 9 cardboard cut-outs made, and each cut-out cost \$38, how much did they spend on those cut-outs altogether?

\$342

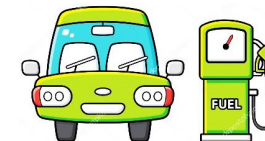


2. Under Coronavirus rules in one Aussie state, a family is allowed up to 5 visitors at any one time. If there are 7 people in Pete's family, all living at home, what is the greatest number of people that COULD be in the house while isolation rules continue?

12 PEOPLE

3. Petrol prices in some parts of Australia have increased overnight from 79.9 cents per litre to \$1.22 cents per litre. How much was that increase, in dollars and cents?

42.1 CENTS PER LITRE



4. Cherie's baby brother Marty plays in his square playpen. Each side of the playpen is 138 cm long. What is the PERIMETER of Marty's playpen?

552 CM

5. A toad's tongue is usually about three times its body length. If Tommy the toad's tongue is 15 cm long, about how long is Tommy's body?

BODY LENGTH 5 CM



6. The population of Darwin in 2020 is 145,000 people, while the estimated 2020 population of Adelaide, is 1,480,000. About what MULTIPLE of the Darwin numbers could be fitted into Adelaide, based only on those numbers?

ABOUT 10 TIMES

7. How many FULL days AFTER Friday, 1st May are there BEFORE the arrival of the first day of winter in Australia, on June 1st?

30 DAYS



8. Everyone in Mark's family loves pumpkin fries. So his mum served up 12 to each of the two adults, and 9 to each of the 3 children. How many fries did she serve up altogether?

51 FRIES



9. Autumn in Australia has 92 days. In the first 2 months of autumn, there are 61 days. How many days are there in the third autumn month?

31 DAYS



10. Open-ended Question: Madelyn was walking through the forest when she saw some ducks and some possums. She saw 32 legs. How many ducks, and how many possums, MAY she have seen?

ANSWERS WILL VARY



YEAR 5 WEEK 3: TUESDAY ANSWERS

Week 3 Tuesday Spelling ANSWERS

Today we are learning about the digraph /cc/ making the sound “k” as in soccer.

You will need to tap out the phonemes (sounds) of the word.


1. Say the word
2. Say the word again, slowly
3. Sound it out - tap out each sound with your fingers
4. Count the sounds
5. Write the letters

Complete the table below.

Word	Number of phonemes	1	2	3	4	5	6	7	8	9
accountant	8	a	cc	ou	n	t	a	n	t	
acclaim	5	a	cc	l	ai	m				
succumb	5	s	u	cc	u	mb				
accustom	7	a	cc	u	s	t	o	m		
moccasin	7	m	o	cc	a	s	i	n		

Activity

Choose a spelling activity from the spelling grid and write below which one you have chosen. You must complete 3 spelling activities from the grid this week.



What is the main idea?

Many species of Australian flora and fauna is threatened.

Watch this BTN episode on Threatened Species.

3 details that support the main idea

Detail #1:

Species are threatened by disease, feral predators, development, habitat loss, pollution and climate change.

Detail #2:

Australia has lost 100 plants and animals like the Tasmanian Tiger.

Detail #3:

Everyone has a part to play in protecting threatened native species.

Example answers - answers can vary.

<https://www.youtube.be/KKKOwnpqBnc>

1. Australia has the world's second biggest collection of species of plants and animals that are found nowhere else in the world. True or false?
2. About how many native plant and animal species in Australia are threatened? 1,900
3. What are some threats to native species?
Disease, feral predators, development, pollution, climate change
4. What is the conservation status of the Orange-bellied parrot? Critically endangered
5. What are the threats to the Orange-bellied parrot?
Habitat loss, feral cats, feral foxes and dogs.
6. How many of the species are left in the wild? 30
7. When did the Tasmanian tiger become extinct?
The Tasmanian Tiger, or Thylacine, became extinct in 1936.

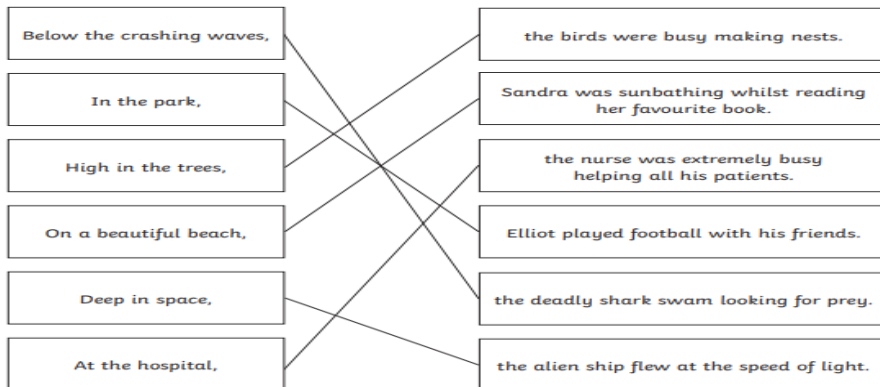
How Did It Happen? Answers

1. **Without warning**, the baby began to cry.
2. **As quick as a flash**, the young boy changed into his PE kit.
3. **Like tall giants**, the mountains stood watching over the valley.
4. **With a huge grin on her face**, Veronica blew out the candles on her birthday cake.
5. **Completely exhausted**, Jason crossed the finishing line of the marathon.
6. **With some trepidation**, Imran went on the ghost train at the fair.
7. **Nervously**, Fiona stepped on stage to sing in front of the judges.

When Did It Happen? Answers

1. After getting out of bed, Sheila ate her breakfast.
2. At night, Jack cleaned his teeth and got ready for bed.
3. Last summer, we went to Spain for a holiday.
4. After lunch, we ate a delicious dessert.
5. Before running the race, Ryan did some warm-up exercises.
6. During the film, Ben and Holly ate popcorn.
7. When she fell over, Phoebe started to cry.
8. Whilst cooking dinner, Dad burnt his hand.

Where Did It Happen? Answers



TUESDAY MENTALS

1. $119 + 39 = 158$
 2. $241 - 199 = 42$
 3. $8 \times 19 = 152$
 4. $500 \text{ cm} = \underline{5} \text{ m}$
 5. $\$10.00 - \$2.75 = \$7.25$
 6. 330 seconds = $5\frac{1}{2}$ minutes
 7. How many eights in $72 = 9$
 8. $95 + \underline{113} = 208$
 9. How many faces on a sphere?
one face
10. $7 \times 21 = 147$
11. Sum of 387 and 196 = 583
12. Take 516 from 983 = 467
13. Is 72 a multiple of 9? **Yes**/ No
14. 50% of \$802 = $\$401$
15. 6 $\times 78 = 468$
16. Is 185° an obtuse angle? Yes **No**
- PS. Mrs Jones has a bag of 12 marbles. She has 4 red marbles, 6 blue marbles and 2 green marbles. What is the chance she will pull out a green marble?
a) $\frac{1}{2}$ b) $\frac{3}{4}$ c) $\frac{9}{12}$ **d) $\frac{2}{12}$**

addition using distributive property - what does that look like?

for example,

$$574 + 921 =$$

<small>(hundreds column)</small>	<small>(tens column)</small>	<small>(ones column)</small>
$500 + 900$	$70 + 20$	$4 + 1$
$= 1400$	$= 90$	$= 5$

add them all together now $\rightarrow 1400 + 90 + 5 = 1495$

ADDITION USING DISTRIBUTIVE PROPERTY

Choose a level (A, B or C) and use this strategy to solve the addition questions. Make sure you watch your teacher's videos and show your working out. **Challenge yourself! Do 2 levels.**

<p>A)</p> $109 + 218 = 327$ $100 + 200 = 300$ $10 \quad 9 + 8 = 17$ $16 + 84 = 100$ $10 + 80 = 90$ $6 + 4 = 10$ $120 + 92 = 212$ $100 \quad 20 + 90 = 110$ 2	<p>B)</p> $445 + 817 = 1262$ $400 + 800 = 1200$ $40 + 10 = 50 \quad 5 + 7 = 12$ $381 + 482 = 863$ $300 + 400 = 700$ $80 + 80 = 160 \quad 1 + 2 = 3$ $537 + 968 = 1505$ $500 + 900 = 1400$ $30 + 60 = 90 \quad 7 + 8 = 15$	<p>C)</p> $2388 + 9104 = 11492$ $2000 + 9000 = 11000$ $300 + 100 = 400 \quad 80 \quad 8 + 4 = 12$ $4577 + 3428 = 8005$ $4000 + 3000 = 7000 \quad 7 + 8 = 15$ $500 + 400 = 900 \quad 70 + 20 = 90$ $2391 + 4566 = 6957$ $2000 + 4000 = 6000 \quad 1 + 6 = 7$ $300 + 500 = 800 \quad 90 + 60 = 150$
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TIME: READING A STOPWATCH

In previous years, we've investigated how units of time were invented. We found that hours were divided into 60 parts to make minutes. We found that minutes were divided into 60 parts to make seconds. We found that when time units were invented, the smallest unit was a second. Then by the time we needed to measure time duration even more accurately, decimals had been invented. So instead of dividing the second by 60 to make a new time unit, people just divided the second by 10 to get a tenth of a second. Then they divided the tenth of second by 10 to get a hundredth of a second. So fractions of a second are measured using decimals! To get even smaller units of time, we can keep divided by 10 and we'll get milliseconds, microseconds, even nanoseconds!



The time on this stopwatch is read as:

52 minutes, 38 seconds and 42 hundredths of a second.

For these questions you will need a stopwatch. If you don't have a stopwatch, ask if you can use the stopwatch timer on your computer/iPad/tablet or parent's phone.

Estimate and measure how long it takes to do the following activities down to hundredths of a second. Write the times as accurately as possible.

ANSWERS WILL VARY

Activity	Estimate	Time
Run 200 metres		
Recite the 6 times table		
Eat an apple		
Count to 150		
Write the alphabet 3 times		
Walk to the office		
Write your name neatly 5 times		

What do these times mean on a stopwatch?

Stopwatch display	Minutes	Seconds	Hundredths of a second
3:51:22	3	51	22
2:45:79	2	45	79
1:58:87	1	58	87
5:45:78	5	45	78

Order these times from fastest to slowest:

1:38:42

1:36:65

1:56:89

1:56:99

1:36:65

1:38:42

1:56:89

1:56:99



6B WORK SHEET

Chemical Sciences
Activity Card: 6

The orange juice catastrophe

Name _____

Date _____

1 Complete the chart to explain what happened in the story.

Food item	Where it was placed	What happened to it	Why this happened
orange juice (first time)	Freezer	it froze solid	liquid turns to solid when the temperature is reduced
chocolate bar	On the window sill in the kitchen	it melted in the sun	solids can become liquid when exposed to high temperatures
cheese	in the warm oven	it melted	solids can become liquid when exposed to high temperatures
orange juice (second time)	in a saucepan on the stove	it boiled away	liquid can become a gas and evaporate when exposed to high temperatures

2 In the story, Johnson never got a chance to answer Lord Bingley's questions. Invent some funny things he could have replied!

a "What on earth? What's this? I asked for the chocolate bar, not chocolate syrup. What's happened to it?"

"Well it seems, sir, that _____

Answers will vary

b "What's this mess? I thought I asked for cheese."

"You did, sir, but _____

Answers will vary

c "What have you done with it, Johnson? Where's the orange juice gone?"

"Well...," started Johnson, "It's _____

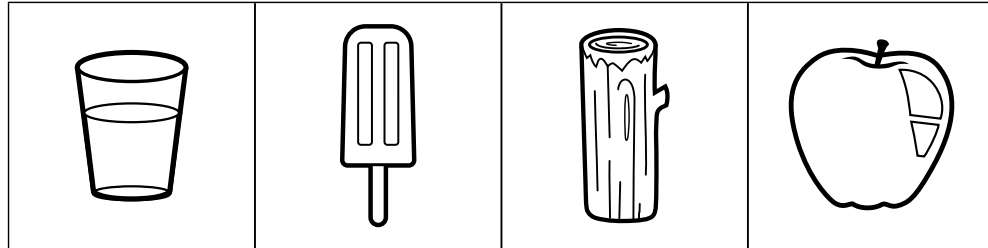
Answers will vary

Answers

1. What is matter? Describe this scientific term in your own words.

Matter is everything around us. It is made from small particles called atoms. The three states of matter are solid, liquid and gas.

2. Label the following substances as either solid or liquid.



liquid

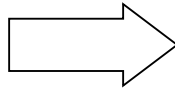
solid

solid

solid

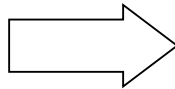
3. How might each of these substances respond to a change in temperature? Predict what you might observe in each situation.

A teaspoon of butter is added to a hot frying pan.



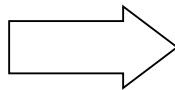
The butter will melt and become a liquid.

A glass of water is placed in the freezer overnight.



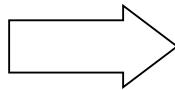
The water will freeze and become a solid.

A box of ice blocks is left in a hot car for two hours.



The ice blocks will have started to melt into a liquid.

A bowl of solid jelly sits at room temperature for an hour.



The jelly will have started to melt into a liquid.

MATHAROO ANSWERS:

1.) 274 LAPS 2.) 2:46 AM

3.) 18 HOURS

4.) 56 STAMPS

5.) 350 CENTIMETRES

6.) \$1.50 PER METRE 7.) 91 DAYS

8.) 300 GRAMS

9.) \$3.20

10.) VARIOUS ANSWERS



YEAR 5 WEEK 3 THURSDAY ANSWERS

Week 3 Thursday Spelling ANSWERS

Today we are continuing to learn about the **digraph /cc/ making the sound “k” as in soccer.**

In the words below, the letter /u/ is making two sounds: “y” and “oo”

1. Say the word
2. Say the word again, slowly
3. Sound it out - tap out each sound with your fingers
4. Count the sounds
5. Write the letters

Complete the table below.

Word	Number of phonemes	1	2	3	4	5	6	7	8
succulent	8	s	u	cc	u “y” “oo”	l	e “eh”	n	t
accuse	4	a	cc	u “y” “oo”	se				
occupy	5	o	cc	u “y” “oo”	p	u			

Activity

Choose a spelling activity from the spelling grid and write below which one you have chosen. You must complete 3 spelling activities from the grid this week.

FRONTED ADVERBIAL SENTENCE WRITING: ANSWERS WILL VARY

Language quiz.

Complete all 26 questions. Read each question carefully and choose the most correct answer. You only need to circle/choose one answer for each question.



Q1. Which word completes this sentence correctly? *Please put your wet shoes*

- a) later
- b) outside
- c) firstly
- d) before

Q2. Which word completes this sentence correctly? *You can put your bag _____ the table.*

- a) for
- b) down
- c) on
- d) in

Q3. Which word completes this sentence correctly? *My friend _____ like to go camping with us.*

- a) can
- b) would
- c) always
- d) maybe

Q4. Which words complete this sentence correctly? *When there is water in the dam _____ lots of tadpoles.*

- a) they are
- b) it is
- c) there are
- d) which is

Q5. Which word completes this sentence correctly? _____ excited that a new family is moving in next door.

- a) It's
- b) That's
- c) He's
- d) There's

Q6. Which sentence is punctuated correctly? *Select one option only.*

- a) What a beautiful rainbow!
- b) What time is it.
- c) Where is my book.
- d) When the sun shines I wear my hat?

Q7. Which word in this sentence describes how the snake slithered? *The scale snake slithers quickly across the hot sand.*

- a) scaly
- b) quickly
- c) across
- d) hot

Q8. Which word completes this sentence correctly? *All the players in the team*

_____ at practice yesterday.

- a) was
- b) been
- c) were
- d) are

Q9. Which word or words complete this sentence correctly? *We _____ come but the road was closed.*

- a) would have
- b) could not
- c) did not
- d) will
- e) other _____

Q10. Which word in this sentence is a noun? *The playground is noisy.*

- a) The
- b) playground
- c) is
- d) noisy

Q11. Which sentence contains a word that is missing a capital letter?

- a) Dad took me to see the nurse.
- b) We had a picnic near the waterfall.
- c) They are looking after a sick kangaroo.
- d) My new pup is called buddy.

Q12. Which sentence is punctuated correctly? *Select one option only.*

- a) "Bring your sneakers, Joe said, and we will go for a walk."
- b) Bring your sneakers, "Joe said," and we will go for a walk.
- c) "Bring your sneakers," Joe said, "and we will go for a walk."
- d) Bring your sneakers," Joe said, "and we will go for a walk."

Q13. Which sentence is punctuated correctly?

- a) I had tomato a slice, of cheese, and lettuce on my sandwich.
- b) I had tomato, a slice of cheese and, lettuce on my sandwich.
- c) I had tomato, a slice of cheese and lettuce on my sandwich.
- d) I had tomato a slice of cheese, and, lettuce on my sandwich.

Q14. Which sentence is punctuated correctly?

- a) I asked Mum if I could ride my bike?
- b) The teacher asked me if I rode my bike to school?
- c) Mum said that I can ride my bike to school?
- d) Can I ride my bike to school tomorrow?

Q15. Which sentence is correct?

- a) Bring both summer or winter clothes.
- b) We either go swimming and bowling.
- c) The water was hot nor cold.
- d) He ate a potato but not the carrots.

Q16. Which part of this sentence can be a correct sentence on its own? *After we eat dinner, we are going for a walk to the park to play on the swings.*

- a) After we eat dinner
- b) We are going for a walk
- c) to the park
- d) to play on the swings

Q17. Which sentence is correct?

- a) The dog ran around the yard and chases the ball.
- b) Bill went riding and falls of the horse.
- c) Dan is going to camp and packs his bag.
- d) Sue will buy bananas and milk when she goes shopping.

Q18. Which sentence is punctuated correctly?

- a) I'll take a sandwich for lunch.
- b) He said he'd love to come.
- c) Whats' for lunch?
- d) Tomorrow wen'e going to the park.

Q19. Which word in this sentence is used as an adjective? *The next train to the city will get him there on time.*

- a) next
- b) train
- c) city
- d) time

Q20. Which words can replace the pronoun in this sentence? *Jack said that they will be here later.*

- a) Joe and me
- b) Mum and Dad
- c) Bill and I
- d) my uncle

Q21. Which sentence is correct?

- a) My teeth needs brushing.
- b) The cattle is under the tree.
- c) The sheep are in the yard.
- d) The mouse eat the cheese.

Q22. Which sentence is written in past tense?

- a) The tree blew over in the wind.
- b) The apples are ready to pick.
- c) There is a very old building in our street.
- d) We play handball every Saturday.

Q23. Which sentence is punctuated correctly?

- a) The Capital City of France is Paris.
- b) The Dentist is called Dr Smith.
- c) My School Uniform is green and white.
- d) We camped beside the Murray River.

Q24. Which does the pronoun them refer to in this sentence? *The children decorated pots for their mothers and then they planted flowers in them.*

- a) children
- b) pots
- c) mothers
- d) flowers

Q25. Which sentence is correct?

- a) We saw a baby echidna in the backyard.
- b) A emu ran through the busy.
- c) There is an platypus in the creek.
- d) A wombat dug that deep hole.

Q26. Which sentence is punctuated correctly?

- a) My uncle love's horse riding.
- b) He get's up early every day to ride.
- c) Sometimes he let's me brush the horse.
- d) My uncle's riding in the show next month.

THINKING...



Now is a great time to take a brain break. Don't forget to check in on Google Classroom with your teacher!



THURSDAY MENTALS

- $329 + 157 = 486$
- $377 - 248 = 129$
- 5 groups of 30 = 150
- Total of \$4.50 and \$3.75 = \$8.25
- $165 + \underline{248} = 413$
- $17 + 201 + 35 = 253$
- Take 37 from 91 = 54
- Is 10 a factor of 120? (Yes/No)
- $9.5 - 3.2 = 6.3$
- $17 + 35 = 52$
- $\$5 - \$3.45 = \$1.55$
- Is 6 a factor of 24? (Yes/No)
- $\frac{1}{2}$ of 190 = 95
- Does a rectangle have four right angles? (Yes/No)
- $9.5 \text{ cm} = \underline{95} \text{ mm}$
- $7 \times \underline{7} = 49$

PS. Buses leave Central Station every quarter of an hour, starting at 5:40am. At which time will a bus depart Central Station?

- a) 6:45am b) 7:50am **c) 8:25am** d) 9:30am

ADDITION USING DISTRIBUTIVE PROPERTY

This week we have been revising addition using distributive property. Sometimes this is called the 'split strategy' - where we split the numbers up according to their place value, to make it easier to combine the numbers. Use this strategy to solve the addition word problems below.

Q1) Jarrod has been keeping track of the number of calories he eats. On Monday he consumed 1760 calories. On Tuesday he consumed 1330 calories, and 1985 on Wednesday. How many calories has he consumed over these three days?

$$1760 + 1330 + 1985$$

$$1000 + 1000 + 1000 = 3000 \quad 700 + 300 + 900 = 1900$$

$$60 + 30 + 80 = 170 \quad 5$$

4 905 calories

Q2) Hannah is completing a book challenge for the month. On the 4th, she read 189 pages. On the 7th, she read 245 pages. On the 18th she read double the pages she read on the 4th. How many pages has she read so far?

$$189 + 245 + (2 \times 189)$$

$$100 + 200 + 300 = 600$$

$$80 + 40 + 70 = 190$$

$$2 \times 189 = 378$$

$$9 + 5 + 8 = 22$$

812 pages

$$600 + 190 + 22 = 812$$

Q3) Rodney is saving money for Christmas. In February he saved \$2038. He saved an additional \$3489 over the next few months. In June he sold his play-station 4 for \$256. How much money has he saved in total?

$$2038 + 3489 + 256$$







$$2000 + 3000 = 5000 \quad 400 + 200 = 600$$

$$30 + 80 + 50 = 160 \quad 8 + 9 + 6 = 23$$





$$5000 + 600 + 160 + 23 = 5783$$

\$5783





Work out the time elapsed.

- a) Linh arrived at a party at:  She left at:  She was at the party for: minutes
- b) The bus left at:  It arrived at:  The bus trip took: hours minutes
- c) The movie started at:  It finished at:  The movie went for: hours minutes

Work out the elapsed time.

Start 9:15 am Elapsed time: <input type="text" value="45 min"/>	Finish 
Start 4:00 pm Elapsed time: <input type="text" value="17 hours"/>	Finish 
Start 7:30 am Elapsed time: <input type="text" value="3 hr 30 min"/>	Finish 
Start 2:00 am Elapsed time: <input type="text" value="12 hours"/>	Finish 

Work out the finish time.

Start 	Finish <input type="text" value="6:10 am"/>	Elapsed time: <input type="text" value="3 hours 10 minutes"/>
Start 	Finish <input type="text" value="1:45 pm"/>	Elapsed time: <input type="text" value="6 hours 15 minutes"/>
Start 	Finish <input type="text" value="8:30 am"/>	Elapsed time: <input type="text" value="2 hours 25 minutes"/>
Start 	Finish <input type="text" value="1:45 pm"/>	Elapsed time: <input type="text" value="4 hours 30 minutes"/>



MATHAROO Worksheet UP – 17 20

Student Name: _____

Grade: _____ Date: _____



1. Katy Perry appeared on Masterchef last Thursday night, as a judge. But after tasting one dish, she couldn't stop coughing for $4\frac{3}{4}$ minutes (a **LONG** time!). How many seconds was that?

285 SECONDS



MasterChef

2. If, on that program, Katy spent 20 minutes of the 90-minute actual program tasting food, and 12 minutes judging and presenting, for what **PERCENTAGE** of the entire episode was Katy actively involved in the program?

35.6%

3. Natalie's parents' car gets 8 kilometres per litre of fuel. If the fuel tank holds 62.5 litres, how far can the car go on one full tank of petrol, theoretically? 500 KM



4. The latest Nintendo Switch Lite Console was being sold on special last week, at a 25% discount. The usual price was \$360. What is its "discount" price? \$270

5. A recently-released new iPhone can be bought on a 3-year plan for \$20.80 per month. How much does that phone cost in total? (And that price doesn't include the cost of any phone and data plan.) \$748.80



RED SHIELD APPEAL

6. In the Salvation Army's "RED SHIELD APPEAL" for May/June, 2020 there are 3 suggested donation amounts on the form -- \$65, \$90 and \$120. Charlie's family decided to donate the **AVERAGE (MEAN)** of those 3 suggested amounts. How much did they donate to the Appeal?

\$91.67

7. A discount supermarket is selling 2 boxes of "Peanut Butter Crunch" ice creams for \$7 total. Each box contains 3 ice creams. What is the **UNIT PRICE** of each ice cream, if Paul's mum buys 2 boxes? \$1.17 EACH



8. There was a spelling error on the TV news last Friday. Instead of writing the word "CARDBOARD", the channel had it spelt wrongly – "CARDBORAD". What **FRACTION** of the letters in that word needed to be changed to make the spelling correct?

2/9

9. **Open-Ended Question:** Two **MIXED NUMBERS** add up to $6\frac{1}{11}$. What might those two mixed numbers be? Give 3 possible answers. **ANSWERS WILL VARY**

Correcting Spelling Mistakes 2 Answers

The spelling mistakes in these sentences have been circled. Write the correct spelling for each circled word in the box.

- In the end, he made the right (disishon).
- The school fair was a great (suckses).
- I couldn't stop (arfing!).
- Answer the (q)uestions carefully.
- Do you have all the (ingredents) you need for the recipe?
- He cleaned the kitchen (thuraly).
- A (misterios) noise came from the old abandoned house.
- It is (irasponsible) to go off without telling someone where you are going.

decision
success
laughing
questions
ingredients
thoroughly
mysterious
irresponsible

Each sentence has one word that is incorrect. Write the correct spelling of the word in the box.

- Laura giggled as she listened to the comedian's jokes.
- My sandle broke and I had to walk with bare feet.
- There are many interesting books in the library.
- The dialog between the two characters built the tension in the play.
- I was feeling mirsable after losing my private diary.
- The girl's disapearance was very distressing for her relatives.
- The ancient temple had huge decorative colums.
- She shreeked loudly when she saw the hideous monster!

giggled
sandal
library
dialogue
miserable
disappearance
columns
shrieked

The Sydney Harbour Bridge – Answers

The Sydney Harbour Bridge is a **steel** arch bridge **which** runs across Sydney Harbour. The bridge is able to transport trains, cars, **bicycles** and pedestrians.

The bridge is nicknamed “The **Coathanger**” because of its arch-based design. The bridge’s design was influenced by the Hell Gate Bridge in New **York City**. **It was designed and built by British organisation Dorman Long and Co Ltd.**

The bridge is the sixth longest spanning arch bridge in the world, and the tallest steel arch bridge, measuring 134m from the top to water level. It was also the world’s widest bridge at 48.8m until the Port Mann Bridge in Vancouver was **built in** 2012.

ANSWER KEY

WHAT IS THE MAIN IDEA?

There are risks/potential dangers to be aware of when using social media.

3 DETAILS THAT SUPPORT THE MAIN IDEA.

DETAIL #1:

Too much time spent on social media can lead to mental health problems.

DETAIL #2:

Teens who use social media can experience physical problems like sleep problems.

DETAIL #3:

Teens who use social media could experience cyber-bullying or harassment.

VOCABULARY CHECK:

Find and highlight the words in the text. Then define.

Heightened:

More intense than normal.

Detrimental:

Tending to cause harm.

Cautious:

Careful to avoid potential problems or dangers.

Harassment:

Aggressive pressure or intimidation.

COMPREHENSION CHECK:

What are some of the possible risks of using social media?

Physical and mental problems like depression, anxiety, and sleep problems.

How many teens will tell a trusted adult if they are being cyber-bullied?

1 in 10.

WHAT IS THE AUTHOR'S PURPOSE?

To inform the reader about the potential risks of social media usage.

FRIDAY MENTALS

1. Add 136 to 343 = 479

2. 3 groups of 50 = 150

3. $45 \times 7 = 315$

4. Minus 55 from 246 = 191

5. $1000 + 400 + 90 + 7 = 1497$

6. $1.7 \text{ km} = 1700 \text{ m}$

7. Triple \$7.50 = \$22.50

8. $99 - 36 = 63$

9. Perimeter of a rectangle 3.5cm by 8.5 cm = 24 cm

10. Value of 6 in 164 902 = 6 ten thousands

11. Difference between 78 and 34 = 44

12. $7.4 + 9.8 = 17.2$

13. $8 \times 22 = 176$

14. $7500 \text{ m} = 7.5 \text{ km}$

15. 1.5 cm = 15 mm

16. Is 95° an acute angle? Yes/No

PS: Jarrod's birthday is on Sunday November 27. Lauren's birthday is on the first Thursday of December. What date is Lauren's birthday on in December?

- a) 3rd
- b) 8th
- c) 1st
- d) 4th

ADDITION USING DISTRIBUTIVE PROPERTY

This week we have been revising addition using distributive property. Use your understanding of this strategy to create word problems with the number sentences given below – also include the answer and your working out. Please watch your teacher's videos. ☺

Q1) $453 + 1228 =$

1000

$400 + 200 = 600$

$50 + 20 = 70$

$3 + 8 = 11$

word problems will vary

ANSWER: 1681

Q2) $3765 + 1976 =$

$3000 + 1000 = 4000$

$700 + 900 = 1600$

$60 + 70 = 130$

$5 + 6 = 11$

word problems will vary

ANSWER: 5741

Q1) $4218 + 1955 =$

$4000 + 1000 = 5000$

$200 + 900 = 1100$

$10 + 50 = 60$

$8 + 5 = 13$

word problems will vary

ANSWER: 6173



TIME DURATION - 2

We are learning to: understand and calculate time duration/elapsed time using a timeline.

Success criteria:

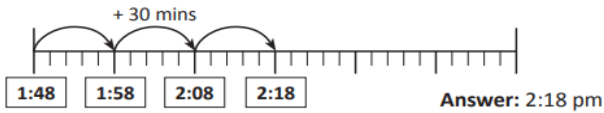
I can count how many hours and minutes have passed between two times.

I can calculate elapsed time.

A time line can help us with more difficult elapsed time problems.

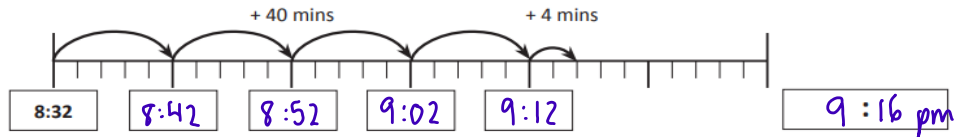
Question: A party started at 12:48 pm and went for 1 hour and 30 minutes. What time did it finish?

- Steps:**
1. First count on in hours in your head and write that answer in the first box in the time line.
 2. Use the time line to count on in minutes. Each small marker represents 2 minutes. Each large marker represents 10 minutes.

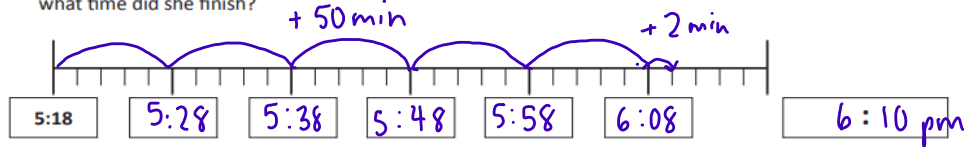


6 Use the time line for each elapsed time problem:

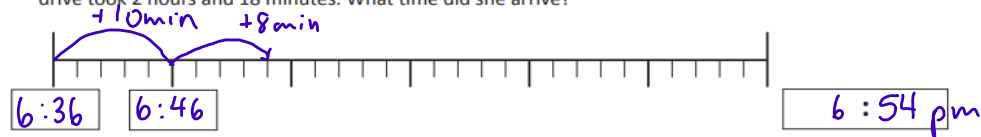
- a Abdul played the clarinet from 7:32 pm for 1 hour and 44 minutes. What time did he finish?



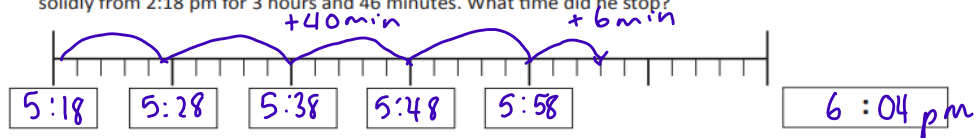
- b Ali took 3 hours and 52 minutes to wash 12 cars. If she started at 2:18 pm, what time did she finish?



- c Sarah drove to her friend Nick's house. She left her house at 4:36 pm and the drive took 2 hours and 18 minutes. What time did she arrive?



- d In order to buy and prepare all the food for the birthday party, Max worked solidly from 2:18 pm for 3 hours and 46 minutes. What time did he stop?



Find the elapsed time for each problem.

	Start time	End time	Elapsed time
1)	8:35	2:19	3hr 44min
2)	1:28	8:50	7hrs 22min
3)	5:14	8:14	3hrs
4)	2:20	12:00	9hr 40min
5)	9:23	7:48	10hrs 25 min
6)	10:30	1:59	1hrs 29min

Find the end time for each problem.

Q.No	Start Time	End Time	Elapsed Time
1)	3:28 A.M.	11:30 am	8 hours and 2 minutes
2)	1:27 P.M.	8:47 pm	7 hours and 20 minutes
3)	7:30 A.M.	10:25 am	2 hours and 55 minutes
4)	4:55 P.M.	8:32 pm	3 hours and 37 minutes
5)	2:28 A.M.	9:19 am	6 hours and 51 minutes
6)	3:42 P.M.	11:55 pm	8 hours and 13 minutes

Dancing through the Decades - 1960s

Read through the paragraph below and use the words in the word bank to fill in the blanks.

The 1960s were an era of **FASHION** extremes. The early part of the decade continued to express the conservative, constrained aesthetic of the 1950s, promoting clothes in traditional **silhouette** and styles. The later part of the decade, however, was the total **opposite**. Young people were rejecting the **social restrictions** of the past, the post-war 'baby boomers' were growing up and wanted their own **style** and many embraced peace, love and freedom through outlandish styles and bright colours.

style	fashion	opposite	social restrictions	silhouette
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In the table below, link the name of each dance move to the description of the movement. One has been done for you. Make sure you watch the video – as this will help to explain each step's name and movement. *Challenge – rename the steps, giving them a 2021 updated vibe!*

Name of move	Description	2021 name
Swimming backwards	Bring the arms back over the head – as if to do a backstroke swimming movement	Answers will vary in this column
Chicken head	Isolate the head forward to the beat of the music	
The Twist	Twisting of the legs, hips, and body from side to side	
Circling Arms Groove	Stepping sideways with hands circling close to hips	
Swimming forwards	Swing arms forward in a swimming motion, alternating each arm	
Fosse Arms Behind Back	Waving arms side to side behind your back, while stepping forward on bent knee	
Fosse Step with Hand Twists	Step forward with arms stretch out parallel to ground – twisting fists at the wrist	

Use these movements to come up with your own 1960 style dance! Grab mum dad, grandparents, aunts and uncles and get twistin'!

Write 3 songs from the 1960s that you could dance to:

Answers will vary

What are decisions?

Can you explain what a decision is? When do you make decisions? Give a definition and at least 2 examples of decisions in the space below. If you need some help, watch this YouTube clip from Kid President - <https://www.youtube.com/watch?v=gdsCUEXL-E-Y>

Answers will vary - examples of decisions may include - choosing what to eat, choosing where to sit in the classroom, what to wear, whether to wear sunscreen when at the beach, whether to wear a helmet when riding a bike/wear safety gear when skateboarding, etc.

Sometimes we make our own decisions – like what we get to wear on the weekend. Sometimes, other people make our decisions – like our parents/carers. In the table below, list people who make decisions for you. Provide an example of a decision they make for you. Reflect – why do these people make these decisions for you? An example has been done for you ☺

Who makes the decisions?	What decisions do they make?	Why do you think they make these decisions?
Teachers	Where students can play in the playground	To keep us safe
	Answers will vary	

What influences my decision making?

When we make decisions, there are factors that influence how we make our decisions – we can call these controllable and uncontrollable influences.

Controllable Influences: Influences that can be directed by the student (that's you!) to determine their behaviour.

Uncontrollable Influences: influences that cannot be directed by the student to determine their behaviour.

Below is a grid of examples of influences. Select two colours (EG: blue and red) and colour the influences in to determine which are controllable and which are uncontrollable examples. (EG: blue are controllable, red are uncontrollable).

My friends and peers	My feelings	Social media
My wants	My family	Culture
Gender expectations	My emotions (EG: peer pressure)	My needs

Answers may vary, examples have been provided

Analyse the decision-making process

When we make decisions, there are choices, influences and consequences. Complete the mind map below to help you analyse the process of decision making.

Make sure you watch your teacher's video – this will help to explain how to complete this task at home.

DECISION: Wear my helmet when riding with friends.

CHOICE ONE: Wear my helmet.

INFLUENCE:
emotion - fear of injury
wants - want to stay safe
family - want you to be safe

Consequences of my choice
greater safety
confidence to ride
peers might say you aren't 'cool' for wearing a helmet

CHOICE TWO: Do not wear my helmet.

INFLUENCE:
emotion - peer pressure
social media - celebs not wearing helmets

Consequences of my choice
risk of injury
lack of confidence - may be scared of getting hurt