

Mathematics

Topic 5: Time and Money

Topic 5: Measurement of Time and Money

1. Find the words about different **times** in the word search.

N D E P B M P H Y S E P M H Z C	
U R E V M I D D A Y I E I H H M	
Z M P N E D R T W I H T E R C R	
R F R O F N A T A O L Q L L A F	afternoon
S S J E H I I I H E S N H W F R	birthday
F K E X O G S N E D E S N F T I	date
E O V G U H E A G A A D W M E I	evening
E O R G R T E T B O S Y S E R D	hour
H L R O A T B I N O O N A W N P	midday
H P O D V A M D I P N Q P F O T	midnight
I E O Q N Q C O E X N N E F O I	noon
N S R P S G R B O S N R P S N B	season
I O O N D C G I C K E C H H E R	
T T U P F S C T S P U P D I N A	
Q T P I U P T G P Q D O M T Q S	
S M R C G O O S T Z N E I I M L	

2. Match the words from the word search about **times** with their correct definition. Write your answers in the grid below.

a)	afternoon	b)	birthday	c)	date
d)	hour	e)	midday	f)	midnight
g)	season	h)	evening	i)	noon

1. One of the four periods into which the year is divided according to the weather.
2. Twelve o'clock at night.
3. The period of time between the middle of the day and the beginning of the evening.
4. The name and number of a particular day or year.
5. Twelve o'clock in the middle of the day.
6. The day each year that has the same date as the one on which you were born.
7. The part of the day between the end of the afternoon and night, including the time when the sun goes down.
8. A period of time that consists of 60 minutes.
9. Twelve o'clock, when the morning ends and the afternoon begins.

Write answers here:

a)	b)	c)	d)	e)	f)	g)	h)	i)

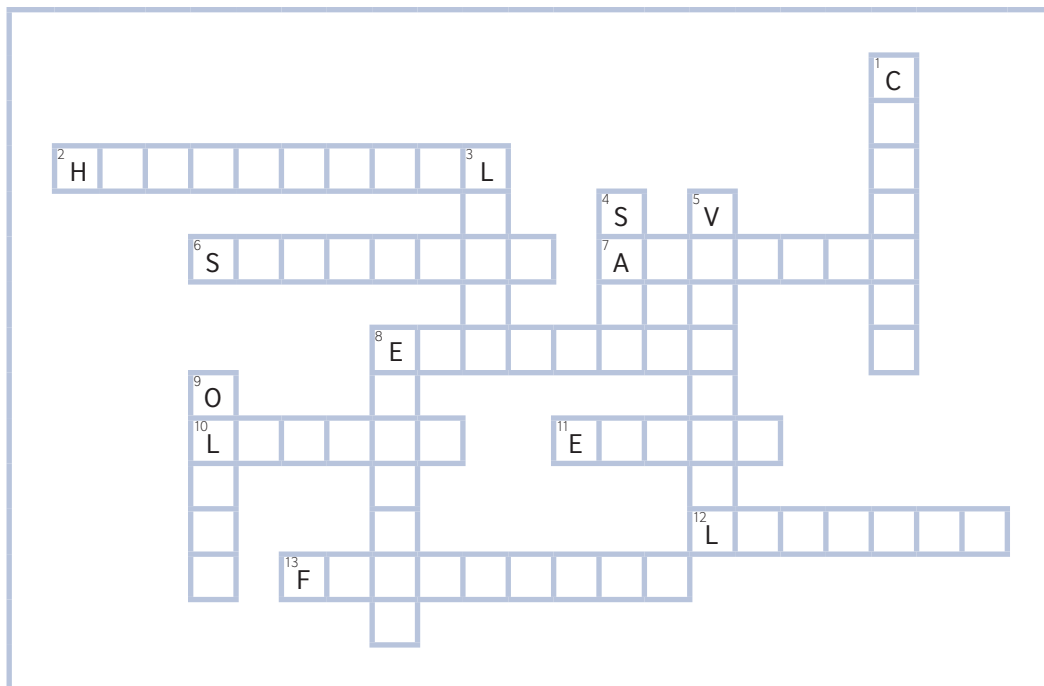
3. Complete the crossword by answering the following questions. All the correct answers are words about time and money.

Across

2. Straight and parallel to the ground.
6. Measuring the smallest height, length, or distance.
7. Around a usual or ordinary level or standard.
8. The first or quickest time that something can happen or be done.
10. Consisting of lines or of one straight line.
11. Done, made or described in a very thorough way, with all the details correct.
12. Lasting for the largest amount of time.
13. Next, coming up.

Down

1. Happening or existing now.
3. At some time in the future, or after the time that you have been talking about.
4. Used for saying that a particular person or thing is the one that you are referring to and not a different one.
5. Standing, pointing, or moving straight up.
8. No more and no less than a particular amount or time.
9. Someone is this if they were born before you.



4. Unscramble the letters to make words that fill the gaps in the sentences about **money**.

- a) To **[gachen]** _____ is to become different, or to make someone or something different.
- b) To **[lactulace]** _____ means to discover a number or amount using mathematics or with a piece of equipment such as a calculator.
- c) To **[ventrol]** _____ is to change from one system or method to another, or to

make something do this.

- d) The **[stoc]** _____ is the amount of money that is needed to buy, pay for, or do something.
- e) To **[decexel]** _____ means to be greater than a number or amount, to go above a set limit.
- f) To **[yap rofl]** _____ something means to give money to buy it.
- g) To **[lels]** _____ is to exchange something for money.
- h) To **[dneps]** _____ is to use money to pay for things.

5. Make sentences about **time and money** by matching the beginnings and endings.
 Write your answers in the grid below.

a)	To spend time is to stay	1	sleeping and open your eyes.
b)	To come back means to return	2	slowly, over a long time.
c)	To go to sleep is to fall into a natural state in which you are unconscious	3	what time it is when you look at a clock or a watch.
d)	To wake up means to stop	4	to a place.
e)	To tell the time means to know	5	a particular distance.
f)	To take time is to do something	6	part of something so that it is complete before a certain time.
g)	To cover means to travel	7	somewhere or to do something for a period of time.
h)	To finish by means to do the last	8	for a time and your body rests, especially for several hours at night.

Write your answers here:

a)	b)	c)	d)	e)	f)	g)	h)

6. Choose the correct word to fill the gaps in the text about **money**.

amount	rest	coin	fare
note	shopkeeper	remainder	notch
change	money	fee	

- a) An _____ is a quantity of something.
- b) A situation in which something becomes different or you make something different is called _____.
- c) A flat round piece of metal that is used as money is called a _____.
- d) The money that you pay for a journey is known as the _____.
- e) Money that you pay to a professional person or institution for their work is the _____.
- f) _____ is what you earn, save, invest, and use to pay for things.
- g) A paper form of money issued by a national bank is known as a bank _____.
- h) A _____ is a small cut on the edge or surface of something, especially a cut shaped like the letter V.
- i) The _____ is the part of something that is left after the rest has gone or been finished.
- j) A _____ is a period of time that you spend relaxing or sleeping after doing something tiring.
- k) Someone who owns or manages a shop is called a _____.

7. Choose the correct word to answer the questions on **measuring time and money**.
Write your answers in the grid below.

a)	clock	b)	time	c)	timetable
d)	calendar	e)	duration	f)	motion
g)	speed	h)	distance	i)	migration
j)	formula	k)	graph	l)	measurement
m)	trade	n)	scale	o)	morning

- What is the name of a set of pages showing the days, weeks, and months of a particular year?
- What is the name of the instrument used for showing the time?
- What is the word for the period of time during which something continues to happen or exist?
- What is the amount of space between two people or things?
- What is a plan or method for dealing with a problem or for achieving a result?
- What is a picture that uses lines or curves to show the relationship between numbers or measurements that change?
- What word means the exact size, degree, or strength of something, usually expressed in numbers of standard units?
- What is the process by which people or animals move to another place or country?

9. What is the part of the day from sunrise until midday?
10. What is the process or action of moving?
11. What word means the size of something, or a set of things arranged in order from the highest measurement to the lowest?
12. What is the rate at which someone or something moves?
13. What is measured using a clock?
14. What is a list of the times when buses or trains arrive and leave?
15. What word means the activities of buying and selling goods or services?

Write your answers here:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

8. Match the phrases about time and money with the correct definition. Write your answers in the grid below.

a)	half past	b)	straight line	c)	time off
d)	break time	e)	leap year	f)	sun clock
g)	sand timer	h)	full moon	i)	pocket money

1. A short period of time when you stop what you are doing so that you can eat or rest.
2. A small piece of equipment used for measuring time with running sand (for example, when you are cooking).
3. A year that has 366 days instead of 365 and happens every four years, when February has 29 days instead of 28.
4. An object that shows the time using sunlight.
5. Money that parents regularly give to their children.
6. Something that does not bend or curve.
7. Thirty minutes after the hour (after one o'clock, two o'clock, etc.).
8. When the moon looks like a complete circle.
9. When you are not at work or at school.

Write your answers here:

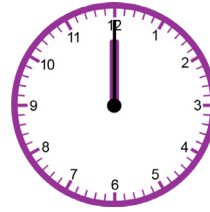
1	2	3	4	5	6	7	8	9

9. Use the words about **telling the time** to label the pictures.

quarter past	quarter to	morning	half past
a.m.	midnight	p.m.	evening

There are 24 hours in one day.

A day starts at ^{a)} and ends the next midnight



8 a.m

8 o'clock in the

d)

b)

= between midnight and midday

c)

= between midday and midnight



8 p.m

8 o'clock in the

e)

We have special ways of saying the times at every quarter hour.



4 o'clock



f)

4



g)

4



h)

5



5 o'clock

Glossary

a.m.	/ˌeɪ ˈem/ abbr used after a time for showing that it is between midnight and noon.
afternoon	/ˌɑːftə(r)ˈnuːn/ noun [C] the period of time between the middle of the day and the beginning of the evening.
amount	/əˈmaʊnt/ noun [C] a quantity of something.
average	/ˈæv(ə)rɪdʒ/ adj of a usual or ordinary level or standard.
between	/bɪˈtwiːn/ prep the distance between two places.
birthday	/ˈbɜː(r)θdeɪ/ noun [C] the day each year that has the same date as the one on which you were born.
break time	/breɪk/ noun [C] a short period of time when you stop what you are doing so that you can eat or rest.
calculate	/ˈkælkjuleɪt/ verb [T] to discover a number or amount using mathematics or with a piece of equipment such as a calculator.
calendar	/ˈkælɪndə(r)/ noun [C] a set of pages showing the days, weeks, and months of a particular year.
change	/tʃeɪndʒ/ noun [C] a situation in which something becomes different or you make something different.
change	/tʃeɪndʒ/ verb [I /T] to become different, or to make someone or something different.
clock	/klɒk/ noun [C] an object that shows the time.
coin	/kɔɪn/ noun [C] a flat round piece of metal with special designs on it, used as money.
come back	/kʌm/ verb [I /T] to return to a place.
consist of	/kənˈsɪst/ phr verb [T] to be made of particular parts or things.
convert	/kənˈvɜː(r)t/ verb [I /T] to change from a system, use, or method to another, or make sth. do this.
cost	/kɒst/ verb [I/T] the amount of money that is needed in order to buy, pay for, or do something.
cover	/ˈkʌvə(r)/ verb [T] to travel a particular distance.
current	/ˈkʌrənt/ adj happening or existing now.
date	/deɪt/ noun [C] the name and number of a particular day or year.
discover	/dɪˈskʌvə(r)/ verb [T] to find out something that you did not know before.
distance	/ˈdɪstəns/ noun [C/U] the amount of space between two people or things.
duration	/dʒʊˈreɪʃ(ə)n/ noun [C/U] the period of time during which something continues to happen or exist.

during	/ˈdjʊəriŋ/ prep at one point within a period of time or a process.
each	/i:tʃ/ pronoun used for referring to all things in a group, especially for considering every one separately.
earliest	/ˈɜ:(r)liəst/ superlative the earliest time that something can happen or be done.
evening	/ˈi:vniŋ/ noun [C/U] the part of the day between the end of the afternoon and night, including the time when the sun goes down.
exact	/ɪgˈzækt/ adj done, made, or described in a very thorough way, with all the details correct.
exactly	/ɪgˈzæk(t)li/ adv no more and no less than a particular amount or time.
exceed	/ɪkˈsi:d/ verb [T] to be greater than a number or amount, to go above an official limit.
expect	/ɪkˈspekt/ verb [T] to think that something will happen.
fare	/feə(r)/ noun [C] the money that you pay for a journey.
fee	/fi:/ noun [C], usually plural money that you pay to a professional person or institution for their work.
finish by	/ˈfiniʃ/ verb [I /T] to do the last part of something so that it is complete by a certain time.
following	/ˈfɒləʊiŋ/ adj [only before a noun] next, coming up.
formula	/ˈfɔ:(r)mjələ/ noun [C] a plan or method for dealing with a problem or for achieving a result.
full moon	/fʊl/ adj /mu:n/ noun [C] the moon when it looks like a complete circle.
go to sleep	/sli:p/ noun [U] a natural state in which you are unconscious for a time and your body rests, especially for several hours at night. Phrase to begin sleeping.
graph	/grɑ:f/ noun [C] a picture that uses lines or curves to show the relationship between numbers or measurements that change.
half past	/hɑ:f pɑ:st/ half past one/two etc, 30 minutes after one o'clock/two o'clock etc.
horizontal	/ˌhɒrɪˈzɒnt(ə)/ adj straight and parallel to the ground.
hour	/ˈaʊə(r)/ noun [C] a period of time that consists of 60 minutes. 30 minutes is called half an hour, 15 minutes can be called a quarter of an hour, and 45 minutes can be called three-quarters of an hour.
how long	/haʊ lɒŋ/ question form how much time, distance
how many	/haʊ ˈmeni/ question form the amount of hours, lessons, for seven days.
in order	/ɪn ˈɔ:(r)də(r)/ the things organized relating to your personal life, for example your financial situation.
in relation to	/ɪn rɪˈleɪʃ(ə)n tə/ concerning something, with regard to something.

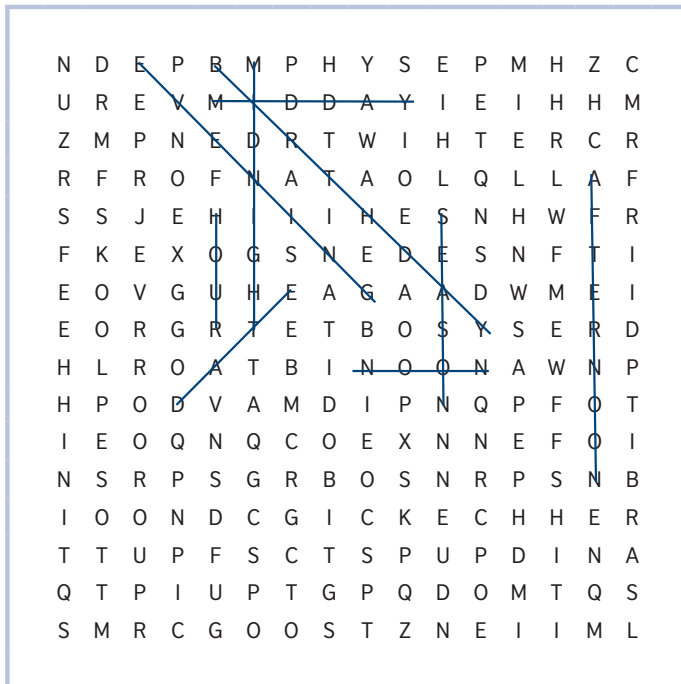
indicate	/ˈɪndɪkeɪt/ verb [T] to express an intention, opinion, or wish in an indirect way.
involve	/ɪnˈvɒlv/ verb [T] to include something as a necessary part of an activity, event, or situation.
later	/ˈleɪtə(r)/ adv at some time in the future, or after the time that you have been talking about.
leap year	/li:p jə(r)/ noun [C] a year that has 366 days instead of 365. Leap years happen every four years, when February has 29 days instead of 28.
linear	/ˈlɪniə(r)/ adj consisting of lines or of one straight line.
longest	/lɒŋɪst/ superlative form of long adj lasting for the largest amount of time.
manipulation	/məˌnɪpjʊˈleɪʃ(ə)n/ noun [C/U] behaviour that influences someone or controls something in a clever or dishonest way.
measurement	/ˈmeʒə(r)mənt/ noun [C] often plural the exact size, degree, strength etc of something, usually expressed in numbers of standard units.
midday	/ˌmɪdˈdeɪ/ noun [U] twelve o'clock, when the morning ends and the afternoon begins.
midnight	/ˈmɪdˌnaɪt/ noun [U] twelve o'clock at night.
migration	/maɪˈɡreɪʃ(ə)n/ noun [C/U] the process by which people or animals migrate to another place or country.
money	/ˈmʌni/ noun [U] singular what you earn, save, invest and use to pay for things. Money can be kept in a bank, where it can earn interest. If you have a bank account, you can pay for things with a cheque.
more than	/mɔː(r) ðæn/ comparative form of much and many, used for saying that a particular quality is stronger in one person or thing than in another, stronger than it was before, or stronger than expected or hoped.
morning	/ˈmɔː(r)nɪŋ/ noun [C/U] the part of the day from when the sun rises until midday.
motion	/ˈməʊʃ(ə)n/ noun [U] the process or action of moving.
noon	/nuːn/ noun [U] twelve o'clock in the middle of the day.
notch	/nɒtʃ/ noun [C] a small cut on the edge or surface of something, especially a cut shaped like the letter V.
note	/nəʊt/ noun [C] paper form of money issued by national banks.
o'clock	/əˈklɒk/ adv used for saying what time it is when a clock shows the exact hour.
older	/ˈəʊldə(r)/ adj comparative form someone or something that is old has lived a long time.
overtake	/ˌəʊvə(r) ˈteɪk/ verb [I/T] to go past another vehicle that is travelling in the same direction, to take control of someone or something.
p.m.	/ˌpiː ˈem/ abbr used after a time for showing that it is between noon and midnight.
passing	/ˈpɑːsɪŋ/ adj [only before noun] moving past, with time.

pay for	/peɪ/ verb [I/T] to give money in order to buy something.
pocket money	/ˈmʌni/ noun [U] Money that parents regularly give to their children.
quarter to	/ˈkwɔː(r)tə(r)/ fifteen minutes to the following hour.
read	/riːd/ verb [C/U] to look at and understand words in a letter, book, newspaper etc.
remainder	/rɪˈmeɪndə(r)/ noun [C/U] the part of something that is left after the rest has gone or been finished.
remember	/rɪˈmembə(r)/ verb [I/T] to have an image in your mind of a person, a place, or something that happened or was said in the past.
rest	/rest/ noun [C/U] singular the part of something that remains, a period of time that you spend relaxing or sleeping after doing something tiring.
revolve	/rɪˈvɒlv/ verb [I/T] to turn or spin around a central point, to make something turn in a circle.
same	/seɪm/ adj used for saying that a particular person or thing is the one that you are referring to and not a different one.
sand timer	/sænd ˈtaɪmə(r)/ noun [C] a small piece of equipment used for measuring time with running sand, for example when you are cooking.
scale	/skeɪl/ noun [C/U] singular the size of something, especially when it is big, a set of people or things arranged in order from the highest level to the lowest or from the lowest level to the highest.
season	/ˈsiːz(ə)n/ noun [C] singular one of the four periods into which the year is divided according to the weather.
sell	/sel/ verb [I/T] to exchange something for money.
shopkeeper	/ˈʃɒp,ki:pə(r)/ noun [C] someone who owns or manages a shop.
shortest	/ʃɔː(r)tɪst/ superlative form of short adj measuring a small height, length, or distance.
show	/ʃəʊ/ verb [T] to give information that you can see on a printed thing such as a map or diagram.
since	/sɪns/ prep starting at a particular point in the past and continuing until now or another point in the past.
speed	/spiːd/ noun [C/U] the rate at which someone or something moves.
spend	/spend/ verb [I/T] to use money to pay for things.
spend time	/spend/ verb [I/T] to stay somewhere or to do something for a period of time.
start at	/stɑː(r) t/ verb [I/T] to begin to happen or take place, used for talking about the lowest price or number.
straight line	/streɪt/ adj something that is straight does not bend or curve.
sun clock	/klok/ noun [C] an object that shows the time, using the Sun.
tell the time	Verb phrase to know what time it is when you look at a clock or a watch.

throughout	/θruːˈaʊt/ prep followed by a noun during the whole of a period of time or an event.
time	/taɪm/ noun [C/U] the quantity that you measure using a clock.
time off	/taɪm/ noun [C] time when you are not at work or at school.
timetable	/ˈtaɪmˌteɪb(ə)/ noun [C] a list of the times when buses, trains etc arrive and leave.
to take time	/taɪm/ noun [U] very long
total time	/taɪm/ noun [C/U] all the time
trade	/treɪd/ noun [C/U] usually singular the activities of buying and selling goods or services.
uniform	/ˈjuːnɪfɔː(r)m/ noun [C/U] a set of clothes that you wear to show that you are part of a particular organization or school.
unit of time	/ˈjuːnɪt/ noun [C] an individual thing that is part of something larger.
utilization	/ˌjuːtɪlaɪˈzeɪʃ(ə) noun [U] the usage of something.
vertical	/ˈvɜː(r)tɪk(ə)/ adj standing, pointing, or moving straight up. Something that is horizontal is parallel to the ground or its base.
wake up	/weɪk/ to stop sleeping, phrasal verb to start to feel livelier, or to make someone feel livelier.
weekend	/ˌwiːkˈend/ noun [C] Saturday and Sunday.

Key:

1.



2. a) 3, b) 6, c) 4, d) 8, e) 5, f) 2, g) 1, h) 7, i) 9

3. **Across:** 2) horizontal, 6) shortest, 7) average, 8) earliest, 10) linear, 11) exact, 12) longest, 13) following **Down:** 1) current, 3) later, 4) same, 5) vertical, 8) exactly, 9) older

4. a) change, b) calculate, c) convert, d) cost, e) exceed, f) pay for, g) sell, h) spend

5. a) 7, b) 4, c) 8, d) 1, e) 3, f) 2, g) 5, h) 6

6. a) amount, b) change, c) coin, d) fare, e) fee, f) Money, g) note, h) notch, i) remainder, j) rest, k) shopkeeper

7. 1 d), 2 a), 3 e), 4 h), 5 j), 6 k), 7 l), 8 i), 9 o), 10 f), 11 n), 12 g), 13 b), 14 c), 15 m)

8. 1 d), 2 g), 3 e), 4 f), 5 i), 6 b), 7 a), 8 h), 9 c)

9. a) midnight, b) a.m., c) p.m., d) morning, e) evening, f) quarter past, g) half past, h) quarter to