

Lesson Printables

Be a rockstar and only print what you need!



Planners: 2-3

Time Cards

Sunlight: 4-5

Twilight: 6-7

Midnight: 8-9

Extras

Clock Keys: 10

Blank Templates: 11

Answers

Sunlight: 12

Twilight: 13

Midnight: 14

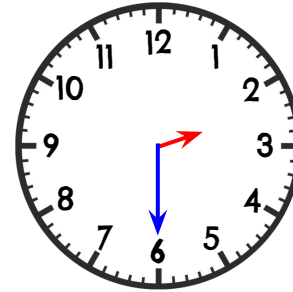
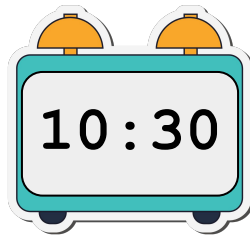
**Printing in the US? Scale to 'fit to printable area' in order to get the best print.*

LESSON 1: Time - Reading time (o'clock, half past, quarter past and quarter to)

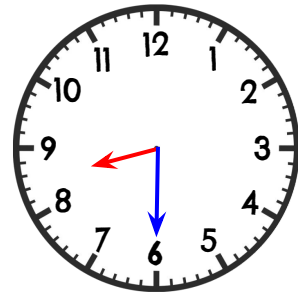
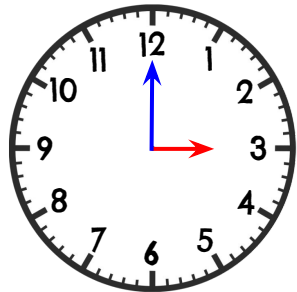
Starter	Main Activity and Input: Reading analogue and digital clocks.	Plenary
<p>Honey Pot: How many different ways can students organise 3 honey pots into 6 boxes if each box holds 1 honey pot?</p> <p>To support:</p> <ol style="list-style-type: none"> Students could draw the boxes and use counters to physically move around the boxes. They could also use 4 boxes and 2 counters. <p>To challenge:</p> <ol style="list-style-type: none"> Encourage students to find all possible solutions. Can they make any connections to fractions? What if there were 8 boxes and 3 honey pots? Are there more possibilities or fewer possibilities? 	<p><i>Note, in this lesson we cover o'clock, half past, quarter past and quarter to times. You might wish to break this lesson into two parts, focusing on just the o'clocks and half past times and then separately focusing on the quarter past and quarter to times. Your class could still complete the main activities, they could just be spread out over the two lessons. E.g. First students complete the Sunlight Zone activity and then they move on to the Twilight Zone activity.</i></p> <p>Input:</p> <ol style="list-style-type: none"> Slide 6 explains the cat is having a party. How will guests know when to arrive? Discuss ideas as a class and use this as an opportunity to see what connections students can already make to time. Slide 7 shows an analogue and digital clock that show the time guests are expected to arrive. What do students notice about the clocks? Do they know any clock features? Can they read the time? Share ideas as a class. Slide 8 describes the features of an analogue clock and introduces the vocabulary words face, hour hand and minute hand. Slide 9 explains that whenever the minute hand is on/pointing to the 12, the hour has just begun. Students should read the number that the hour hand points to and then say 'o'clock'. Ask students to say the times displayed on the analogue clocks. Slide 10 shows digital clocks that match the analogue clocks. Elicit from students which numbers indicate the hour (those to the left of the colon) and which numbers indicate the minutes past the hour (those to the right of the colon). Can students match each digital clock to its matching analogue clock? Slide 11 shows clocks where the minute hands all points to the 6. What time is shown? Slide 12 explains that the minute hand has moved halfway around the clock face. These times can be said by saying 'half past'. Students then need to look at which two numbers the hour hand is in between in order to identify the hour. If the hour hand is between the 10 and 11, it is halfway between 10 o'clock and 11 o'clock. This means it is half past 10. Note, you might be in a country where you say 'ten thirty' instead. Use your discretion as to what best suits your class. Slide 13 ask students what strategy they could use for counting minutes. Share ideas as a class. E.g. If the minute hand is pointing to the 3, students could count in fives until they reach 3 or multiply 3 by 5 to find 15 minutes. Slide 14 asks students to write the time shown on the analogue clock in digital form. Elicit that the hour is 10 and the clock shows 30 minutes into the hour. Slides 15 to 20 repeat the same format and ask students to read 'quarter past' and 'quarter to' times. We have related these times to fractions. If the clock face was broken into four equal parts or quarters, we can show that quarter past indicates 1/4 of the hour has passed. This is slightly trickier when looking at quarter to times. We have explained this as there is 1/4 left to go in the hour before the next o'clock time. This means we say 'quarter to' and then the upcoming hour in order to describe the time. <p>Activity: Find the matching times and the 'odd clocks'.</p> <ol style="list-style-type: none"> Print and cut out the matching time cards for each learning zone. Students could work individually or in pairs/small groups to find all of the matching times and the 'odd clocks'. These are clocks that do not have any matching cards. <p>To support:</p> <ol style="list-style-type: none"> Remove the odd clocks so that students know there is always a matching clock for each time. If possible, provide students with physical clock manipulatives so that they can create the time shown on any of the clock cards. You could also print out the 'clock key' support cards found in the printables in order to help students identify particular times. <p>To challenge:</p> <ol style="list-style-type: none"> Students could create their own matching clocks. See blank cards in printables. When they have finished finding matches or making their own cards, students could use the cards to play a 'memory' game in small groups. They would lay all the cards face down and then take turns flipping over 2 cards at a time. If the times match, that player gets to keep the cards. 	<p>Lost Hands: If it is time for the cat to go to school, what time could the clock show?</p> <p>Check for understanding:</p> <ol style="list-style-type: none"> Can students draw or say a time that represents a relevant time to get ready for school? Can they explain their thinking?

Sunlight Puzzles

Two o'clock

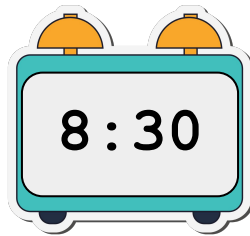


Half past five

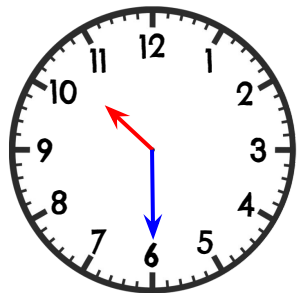


Three o'clock

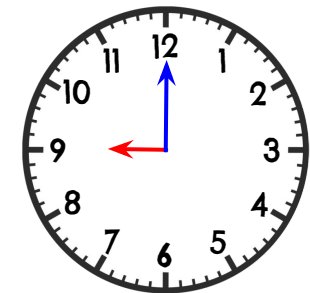
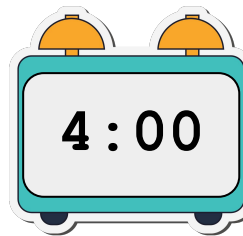
Half past four



Eight o'clock



Half past two



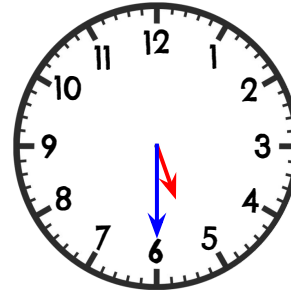
Sunlight Puzzles



S

Half past eight

S



S



S



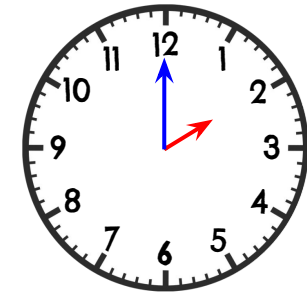
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Nine o'clock

S



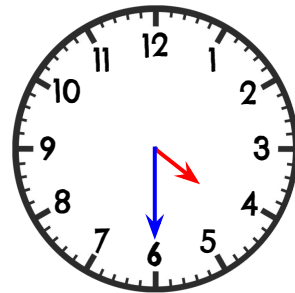
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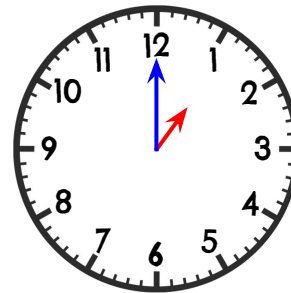
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Half past ten

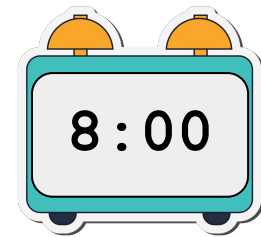
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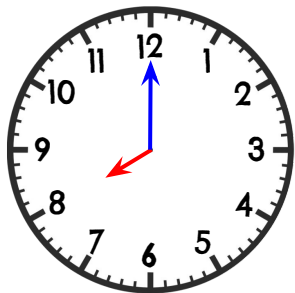
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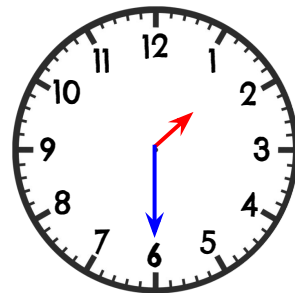
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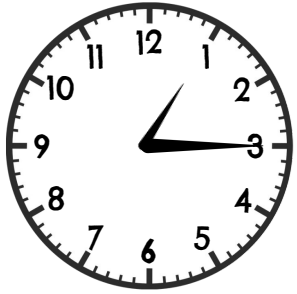


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One o'clock

S

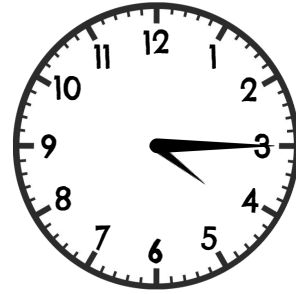
Twilight Puzzles



T

Quarter to eleven

T



T



T

Eight o'clock

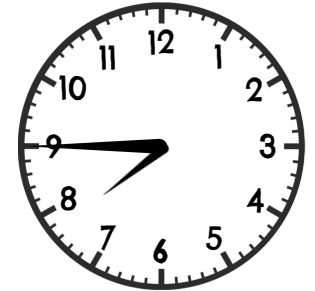
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T

Half past five

T



T



T



T

Half past eight

T



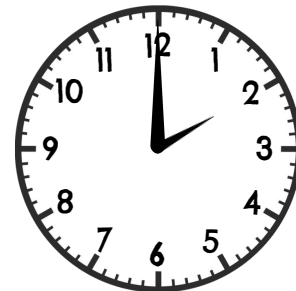
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Two o'clock

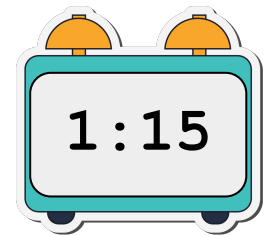
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Quarter to four

T



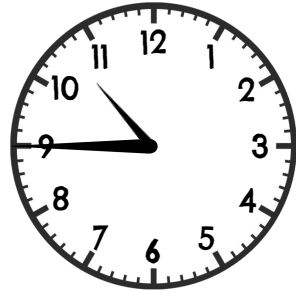
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Twilight Puzzles

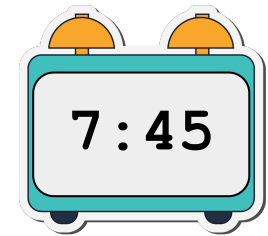
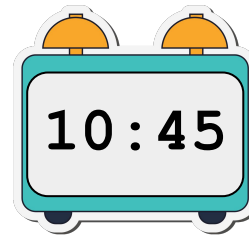
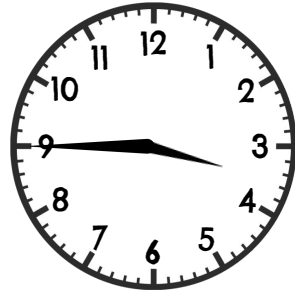
Quarter past one



Quarter past four



Quarter to eight



4:15

8:30

Nine o'clock

Half past seven

Midnight Puzzles



Three forty-five



Ten minutes
past five

Five ten



9:00

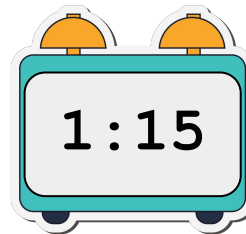
Twelve o'clock

Nine twenty



3:45

Half past seven



Six twenty-two

Midnight Puzzles



M

Twenty minutes
past nine

M

Quarter to four

M



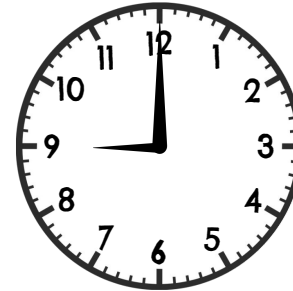
M

Six forty

M

Fifteen minutes
past one o'clock

M



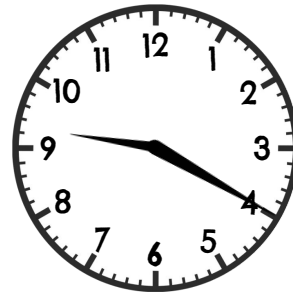
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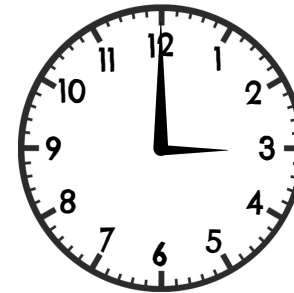
M

Nine o'clock

M



M



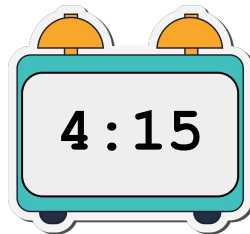
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M



M



M

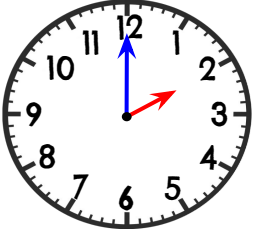
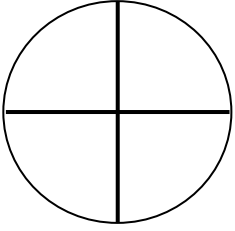
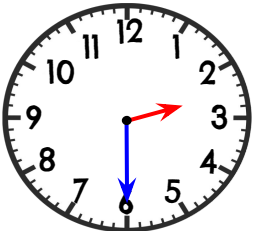
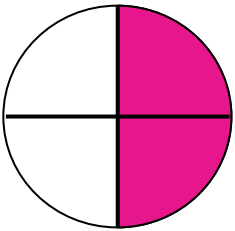
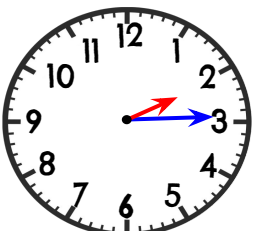
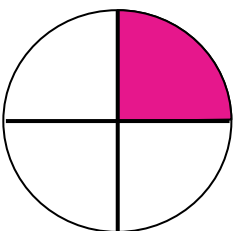
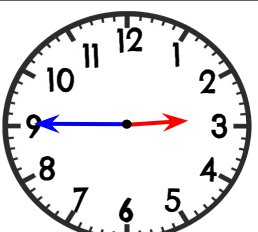
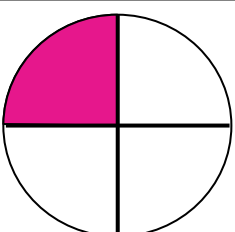
Noon

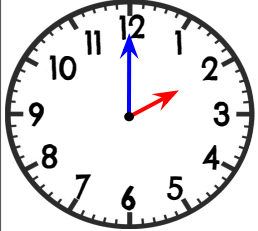
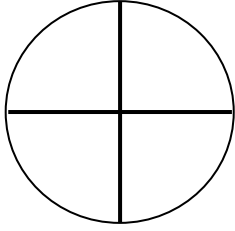
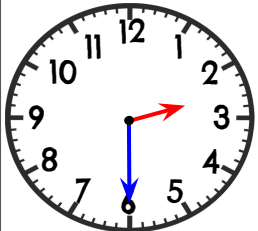
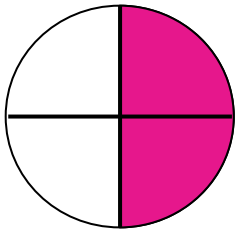
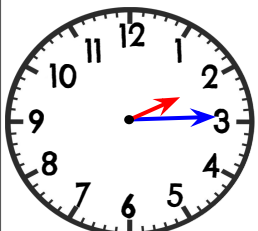
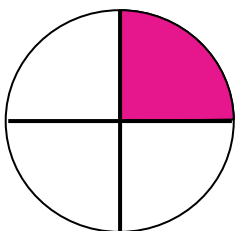
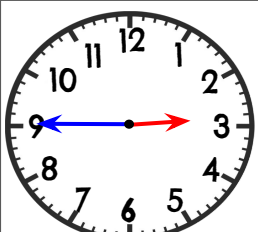
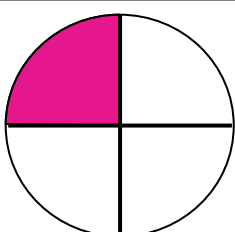
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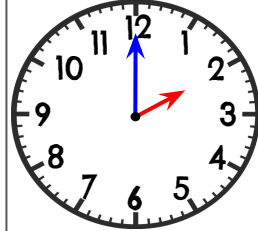
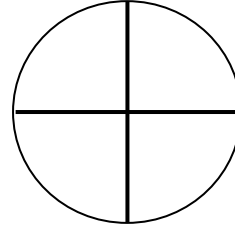
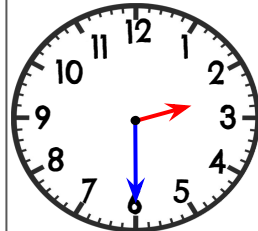
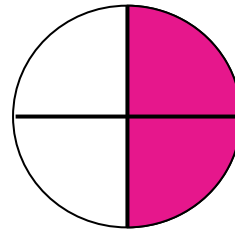
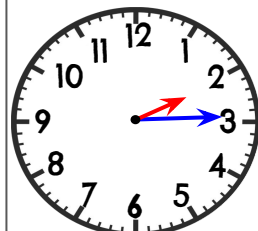
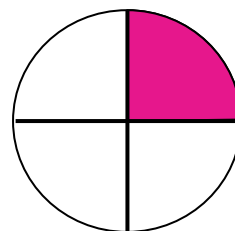
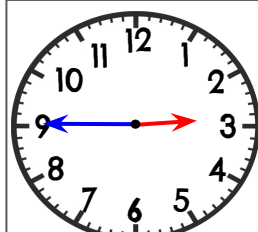
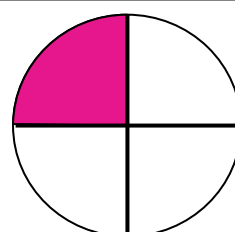
Quarter past
one

M

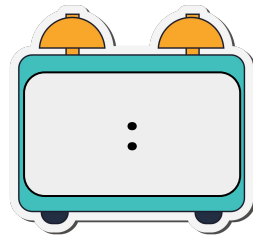
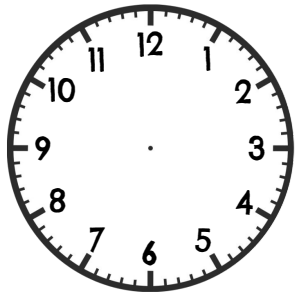
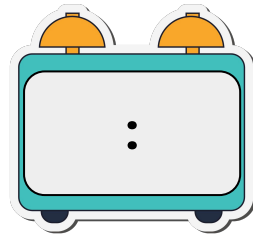
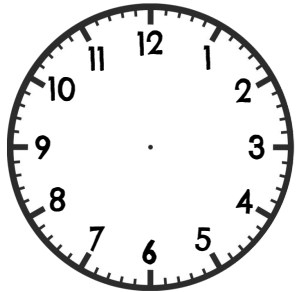
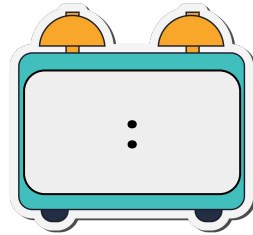
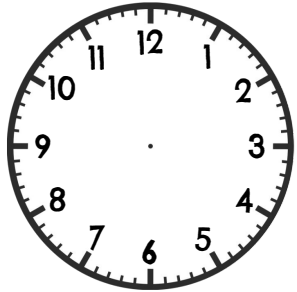
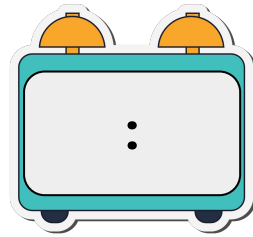
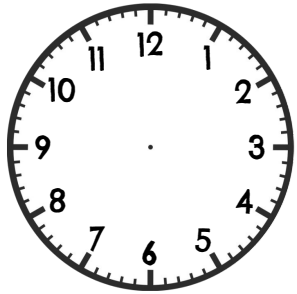
Clock Keys

o'clock	
	
half past	
	
quarter past	
	
quarter to	
	

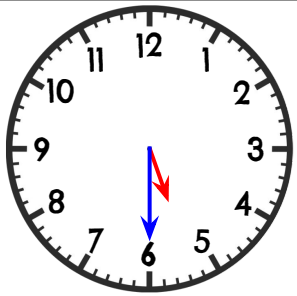
o'clock	
	
half past	
	
quarter past	
	
quarter to	
	

o'clock	
	
half past	
	
quarter past	
	
quarter to	
	

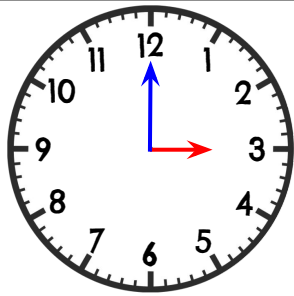
Blank Templates



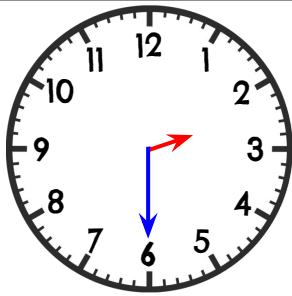
Sunlight Answers



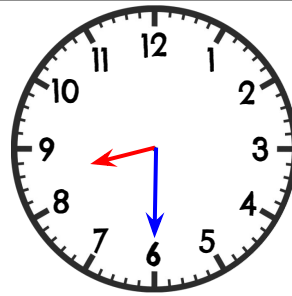
Half past five



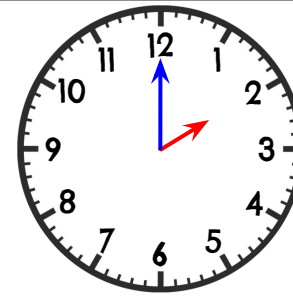
Three o'clock



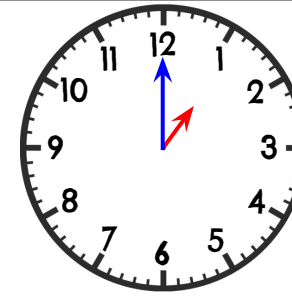
Half past two



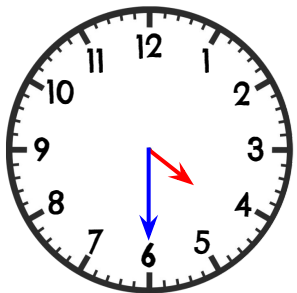
Half past eight



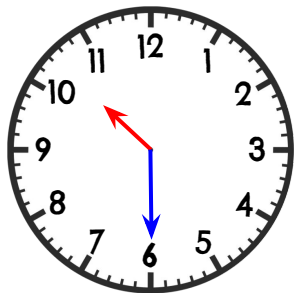
Two o'clock



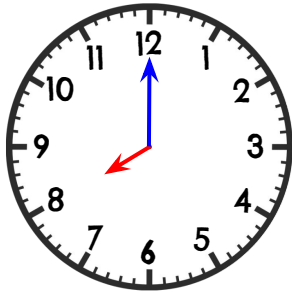
One o'clock



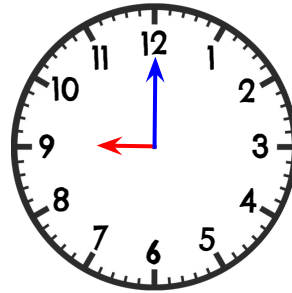
Half past four



Half past ten

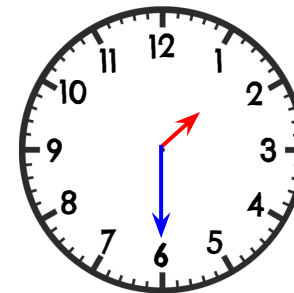
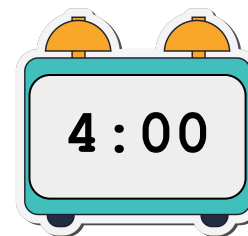


Eight o'clock

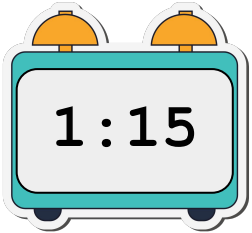


Nine o'clock

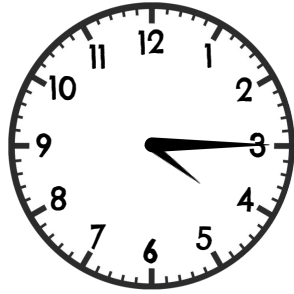
Odd O'clocks



Twilight Answers



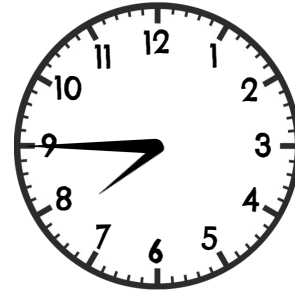
Quarter past one



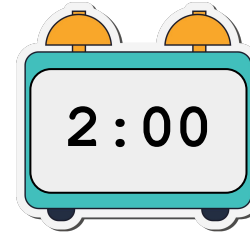
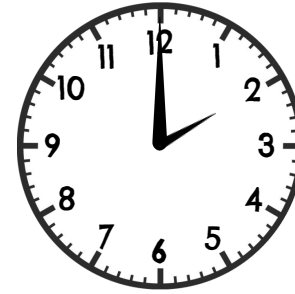
Quarter past four



Half past five



Quarter to eight



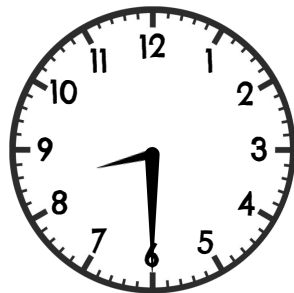
Two o'clock



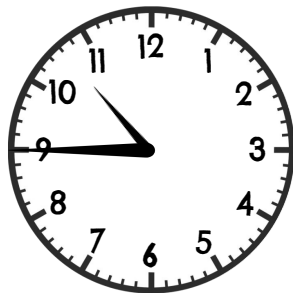
Quarter to four



Eight o'clock

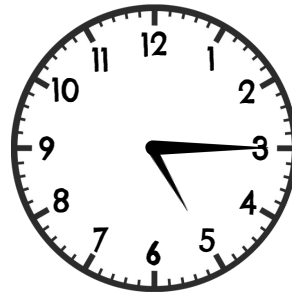


Half past eight

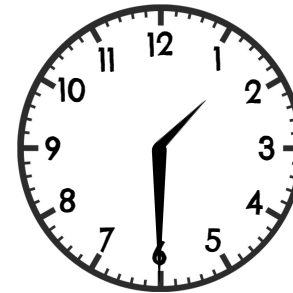


Quarter to eleven

Odd O'clocks



Half past seven



Nine o'clock



Midnight Answers

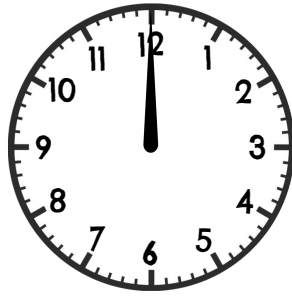


Fifteen past one

Quarter past one

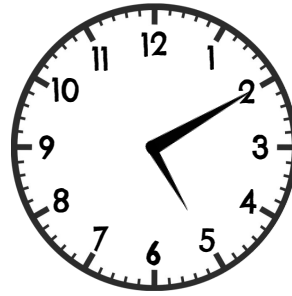


Six forty



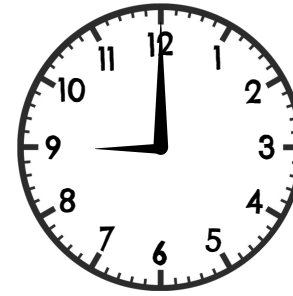
Noon

Twelve o'clock



Ten past five

Five ten

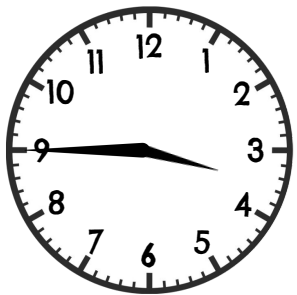


Nine o'clock



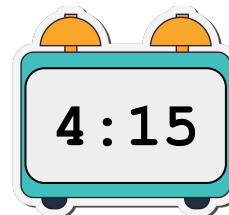
Twenty past nine

Nine twenty

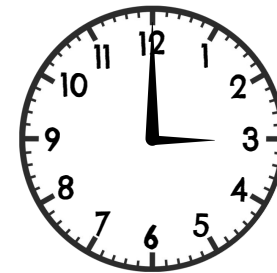


Quarter to four

Three forty-five



Odd O'clocks



Six twenty-two



Half past seven