

SECTION 6: INTRODUCING $\frac{1}{2}$ PAST AND $\frac{1}{4}$ PAST

6.1 "Down Past" & "Up To".

Resources:

Circle with "down past" and "up to" from sheet 6.1

Model clock.

Toy character.

ACTIVITIES 6.1

1. As the minutes hand moves "down" the clock face, it is "going *down past* the hour" as it moves "up" the clock face it is "going *up to* the next hour". Walk a toy character round the edge using this language.
2. Place the circle from sheet 6.1 with this wording on next to your model clock. Take turns, practise turning the minute hand round full circle, using the language "down past" and "up to" until you have done all 12 hours. Don't worry about including the hour; down past 1 o'clock and up to 2 o'clock", etc, will be introduced later.

6.2 Introducing " $\frac{1}{2}$ " and " $\frac{1}{4}$ "

Resources:

Circles (you will need more than one) and paper clock faces ready to cut in half and quarters from sheet 6.1.

Two sets of cards with $\frac{1}{2}$, $\frac{1}{4}$, *half*, *quarter*, circle divided into halves, circle divided into quarters from sheet 6.2

ACTIVITIES 6.2

1. Cut one circle in half and write $\frac{1}{2}$ (half) on each side. Practise cutting things into halves - pizza, play dough circles, paper circles etc. Use the language "half" and explain $\frac{1}{2}$ as "1 whole cut into 2 pieces" saying that the line between the 1 and 2 is the "cut".
2. Once ok with this introduce $\frac{1}{4}$, cut a circle into quarters and write $\frac{1}{4}$ (quarter) on each, fit them together to make one whole. Again practise cutting play dough circles etc. into 1/4s.
3. Using the two sets of cards from sheet 6.2, away from the clock face, practise matching like to like, so *half* to *half*, *quarter* to *quarter*, $\frac{1}{2}$ to $\frac{1}{2}$, $\frac{1}{4}$ to $\frac{1}{4}$ then the word "half" to the number "1/2" to the picture of half a shaded circle etc.
4. Use a mixture of the cards along with the paper clock faces to generate $\frac{1}{2}$ or $\frac{1}{4}$. Turn over a card then cut the play do circles, pizza etc into halves or quarters. Move onto cutting the small clock faces from sheet 6.1
5. Look for the shapes, words and figures $\frac{1}{2}$, $\frac{1}{4}$, half and quarter in every day life.

6.3 Introducing "1/2 past", $\frac{1}{4}$ past" and "1/4 to"

Resources

Spinner, die, cards with options $\frac{1}{2}$ past, $\frac{1}{4}$ past, $\frac{1}{4}$ to, from sheet 6.3

Model clock with $\frac{1}{4}$ past, $\frac{1}{2}$ past and $\frac{1}{4}$ to attached using Velcro/blue tac.

Laminated clock, sheet 3.1i, with $\frac{1}{4}$ past, $\frac{1}{2}$ past and $\frac{1}{4}$ to attached from sheet 6.2.

1. On your model clock face attach the cards $\frac{1}{2}$ past, $\frac{1}{4}$ past and $\frac{1}{4}$ to in the correct positions. Take turns to move the minute hand round saying *o'clock*, $\frac{1}{4}$ past, $\frac{1}{2}$ past, $\frac{1}{4}$ to as you go round each hour until you have completed all 12 hours. Do not focus on the hour hand just the minute hand at first.

(Later progress to looking at what the hour hand is doing and using the language "1 o'clock, $\frac{1}{4}$ past 1, $\frac{1}{2}$ past 1, $\frac{1}{4}$ to 2". This helps to introduce the "to" part and the fact that we have changed from *past the hour*, to, *to the next hour*. However if this causes confusion omit since it is covered later.

2. Take turns to place the cards $\frac{1}{2}$ past, $\frac{1}{4}$ past and $\frac{1}{4}$ to in the correct position on the clock face. First match card to card already attached, later place in position on clock 3.1i without matching.
3. Using spinner/cards/die with " $\frac{1}{4}$ past", " $\frac{1}{2}$ past", "o'clock", "1/4 to" on to generate times. Let the child use the laminated clock and take turns to practise placing the minute hand in these positions. Again just focus on the minute hand to start with. Start with cards attached, later try without cards.