Reasoning and Problem Solving
Step 2: Quarter Past and Quarter To

National Curriculum Objectives:

Mathematics Year 2: (2M4a) Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times.
Mathematics Year 2: (2M4b) Compare and sequence intervals of time.

Differentiation:

Questions 1, 4 and 7 (Problem Solving)
Developing Work out how many quarter hours are between two times. O'clock only.
Expected Work out how many quarter hours are between two times. O'clock to half past.
Greater Depth Work out how many quarter hours are between two times. O'clock to half past and greater multiples.

Questions 2, 5 and 8 (Reasoning)
Developing Decide if a child has read the time correctly or not. Explain how you know. One mistake made.
Expected Decide if a child has read the time correctly or not. Explain how you know. More than one mistake made.
Greater Depth Decide if a child has read the time correctly or not. Explain how you know. More than one mistake made and clocks without numerical aid.

Questions 3, 6 and 9 (Problem Solving)
Developing Work out what time it will be in 15 minutes, draw the minute hand on a clock to show this and write the time.
Expected Work out what time it will be in 15 minutes, draw both hands on a clock to show this and write the time.
Greater Depth Work out what time it will be in 15 minutes, draw both hands on a clock to show this and write the time (clocks mixed with and without numbers).
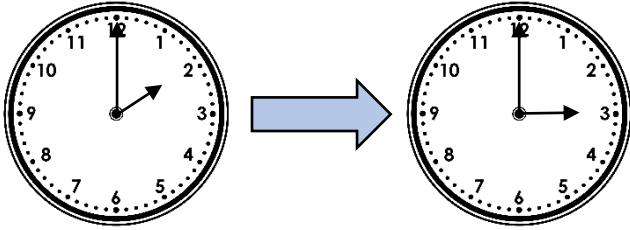
More Year 2 Time resources.
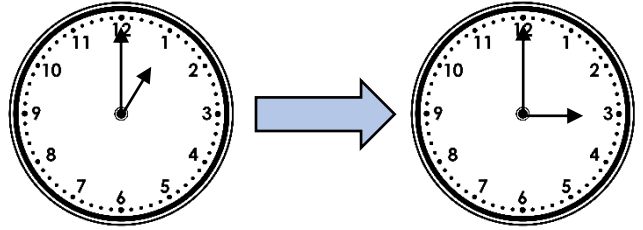
Did you like this resource? Don't forget to review it on our website.

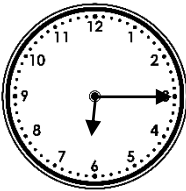**1a.** How many quarters of an hour are between 2 o'clock and 3 o'clock?

1b. How many quarters of an hour are between 1 o'clock and 3 o'clock?
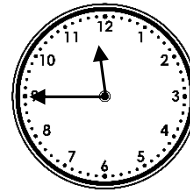
2a. Jason is trying to tell the time.

It is 3 past 6.

Is Jason right? How do you know?
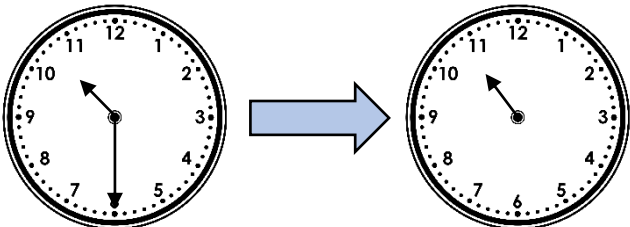
2b. Nia is trying to tell the time.

It's 9 o'clock.

Is Nia right? How do you know?

3a. Playtime is 15 minutes long. What time would it finish if it started at the time shown on the first clock?
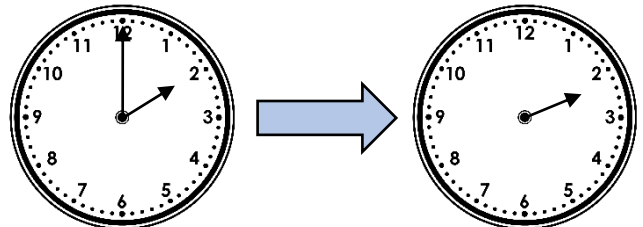
Draw the minute hand on the clock and write the answer.

3b. Playtime is 15 minutes long. What time would it finish if it started at the time shown on the clock?

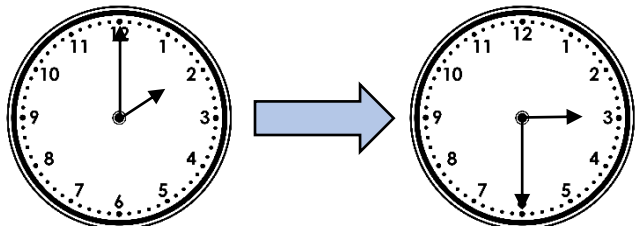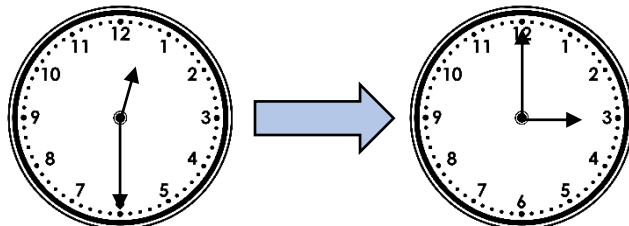Draw the minute hand on the clock and write the answer.

Quarter Past and Quarter To

Quarter Past and Quarter To

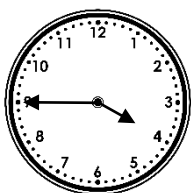**4a.** How many quarters of an hour are between 2 o'clock and half past 3?

4b. How many quarters of an hour are between half past 12 and 3 o'clock?

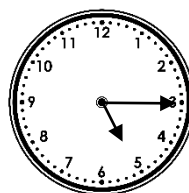**5a.** Dan is trying to tell the time.

In quarter of an hour it will be 4 o'clock.

Is Dan right? How do you know?

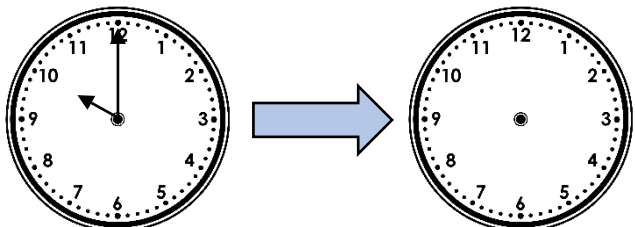**5b.** Malaika is trying to tell the time.

It's 5 past 3.

Is Malaika right? How do you know?

6a. Playtime is 15 minutes long. What time would it finish if it started at the time shown on the first clock?
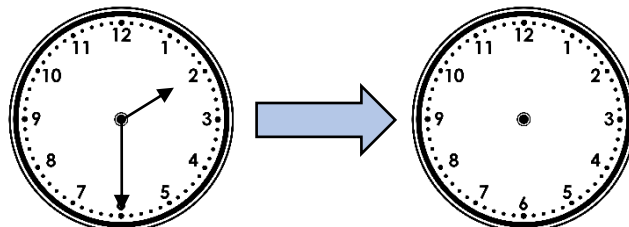
Draw both hands on the clock and write the answer.

6b. Playtime is 15 minutes long. What time would it finish if it started at the time shown on the first clock?

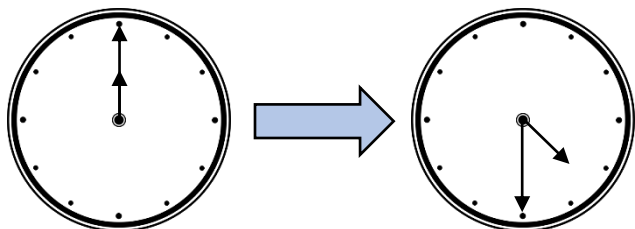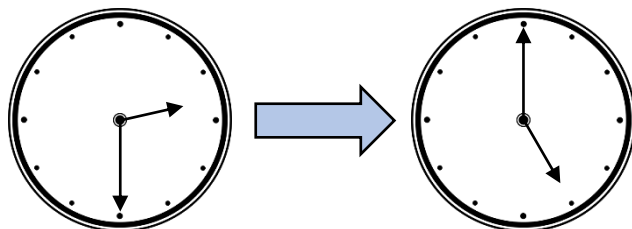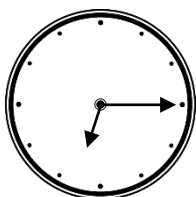Draw both hands on the clock and write the answer.

Reasoning and Problem Solving – Quarter Past and Quarter To – Year 2 Expected

7a. How many quarters of an hour are between 12 o'clock and half past 4?

GD · PS

7b. How many quarters of an hour are between half past 2 and 5 o'clock?

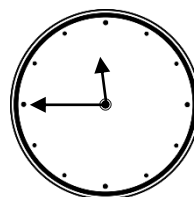GD · PS

8a. Tyler is trying to tell the time.

It's 3 past 7.

Is Tyler right? How do you know?

GD · R

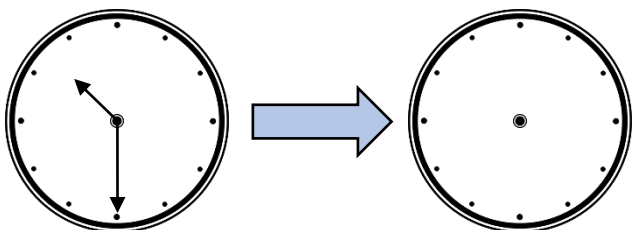**8b.** Zoe is trying to tell the time.

In 15 minutes it will be noon.

Is Zoe right? How do you know?

GD · R

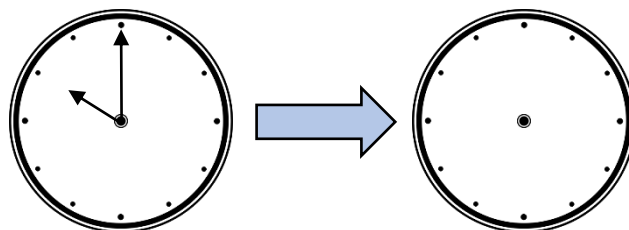**9a.** Playtime is 15 minutes long. What time would it finish if it started at the time shown on the clock?

Draw the hands and write the answer.

GD · PS

9b. Playtime is 15 minutes long. What time would it finish if it started at the time shown on the clock?
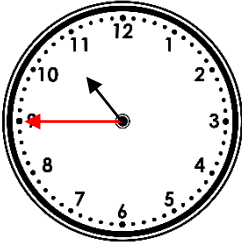

Draw the hands and write the answer.
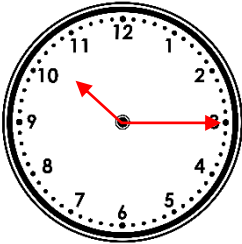
GD · PS

classroomsecrets.co.uk

Developing

1a. 4

2a. Jason is wrong. It is not 3 minutes past 6, it is quarter past 6.
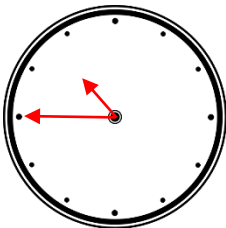
3a. Quarter to 11

Expected

4a. 6

5a. Dan is right because the time on the clock is quarter to 4.
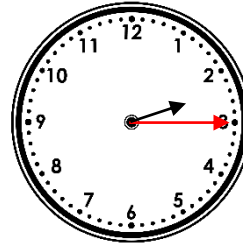
6a. Quarter past 10

Greater Depth

7a. 18

8a. Tyler is wrong. He has mixed up the hands and miscounted the hours around the clock. It is quarter past 6.
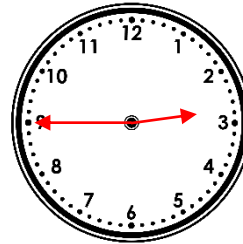
9a. Quarter to 11

Developing

1b. 8

2b. Nia is wrong. She has mixed up the hands. It is quarter to 12.

3b. Quarter past 2

Expected

4b. 10

5b. Malaika is wrong because she has mixed up the hands. The minute hand is at 3 (quarter past) and the hour hand is at 5 so it is quarter past 5.

6b. Quarter to 3

Greater Depth

7b. 10

7b. Zoe might be right. In 15 minutes, it will be 12 o'clock but it could be noon or midnight.

7b. Quarter past 10

classroomsecrets.co.uk