Reasoning and Problem Solving – Telling the Time to 5 Minutes

National Curriculum Objectives:

Mathematics Year 3: (3M4c) Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks

Mathematics Year 3: (3M4d) Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight

Differentiation:

Questions 1, 4 and 7 (Problem Solving)
Developing Find the odd one out by matching times given in words with times shown on analogue clocks. All clocks have all hours marked with numbers 1-12.
Expected Find the odd one out by matching times given in words with times shown on analogue clocks. All clocks have all hours marked in roman numerals.
Greater Depth Find the odd one out by matching times given in words with times shown on analogue clocks. All clocks have 12, 3, 6 and 9 hours marked in roman numerals.

Questions 2, 5 and 8 (Reasoning)
Developing Determine which statement is correct regarding the position of hands on an analogue clock (digits 1-12) when showing a particular time (statement describing the position of one hand).
Expected Determine which statement is correct regarding the position of hands on an analogue clock (roman numerals I-XII) when showing a particular time (statement describing the position of one hand)
Greater Depth Determine which statement is correct regarding the position of hands on an analogue clock when showing a particular time (exact statements describing the position of both hands).

Questions 3, 6 and 9 (Reasoning)
Developing Read a simple word problem and choose between two different times shown on analogue clocks. All clocks have all hours marked with numbers 1-12.
Expected Read a simple word problem and choose between two different times shown on analogue clocks. All clocks have all hours marked in roman numerals.
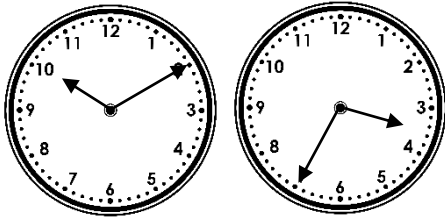Greater Depth Read a simple word problem and choose between two different times shown on analogue clocks. All clocks have 12, 3, 6 and 9 hours marked in roman numerals.

More resources which follow the same small steps as White Rose.

Did you like this resource? Don't forget to review it on our website.

Reasoning and Problem Solving – Telling the Time to 5 Minutes
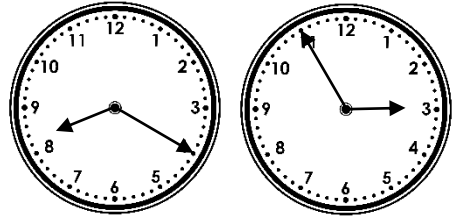
1a. Find the odd one out.

A. Twenty-five minutes to four

B. Twenty minutes past seven

C. Ten minutes past ten

1b. Find the odd one out.

A. Five minutes to three

B. Twenty minutes past eight

C. Five minutes past three

2a. Kris and Talia are drawing half past three on a clock.

> The minute hand points at 3.

Kris

> The minute hand points at 6.

Talia

Who is correct? Explain why.

2b. Chase and Leah are drawing twenty minutes to nine on a clock.

> The minute hand points at 8.

Chase

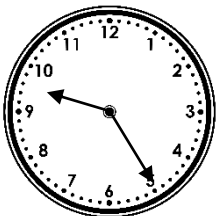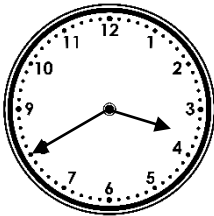> The hour hand points at 8.

Leah

Who is correct? Explain why.

3a. Kendra's karate class starts at half past nine. What is the best time for her to arrive?
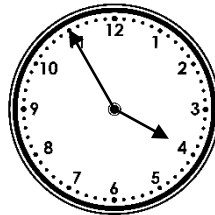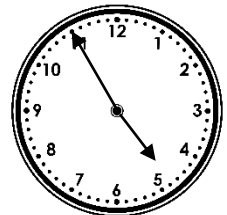
A   B

Explain why.

3b. Jorge's choir is performing at 4 o'clock. When should they all be in their places on stage?
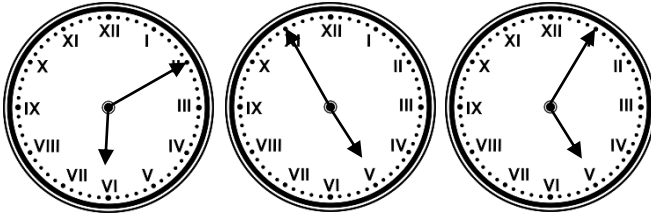
A   B

Explain why.

Reasoning and Problem Solving – Telling the Time to 5 Minutes – Year 3 Developing

Reasoning and Problem Solving – Telling the Time to 5 Minutes
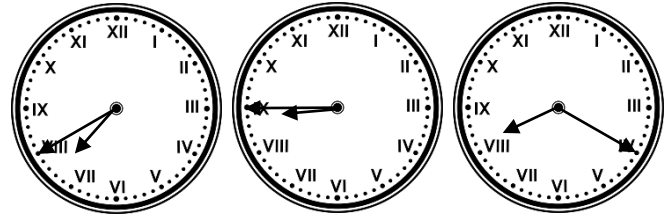
4a. Find the odd one out.

A. Five minutes past five

B. Ten minutes past six

C. Twenty-five minutes past eleven

D. Five minutes to five

PS

4b. Find the odd one out.

A. Twenty minutes to eight

B. Quarter to eight
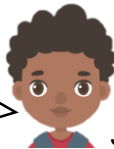
C. Quarter to nine

D. Twenty minutes past eight

PS

5a. Kayla and Jerry are drawing twenty minutes to four on a clock.

Kayla: The minute hand will point at VIII.

Jerry: The minute hand will point at IV.

Who is correct? Explain why.

R

5b. Val and Caleb are drawing twenty-five minutes past one on a clock.

Val: The hour hand will point at V.
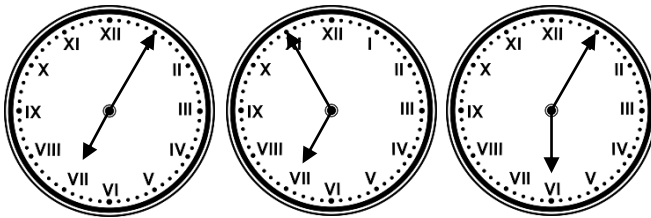
Caleb: The minute hand will point at V.

Who is correct? Explain why.

R

6a. Yolanda needs to leave for school by seven o'clock to arrive on time. What is the best time for her to leave?
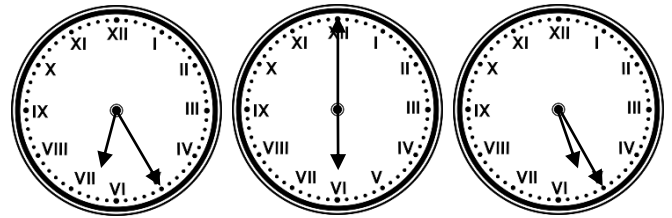
A   B   C

Explain why.

R

6b. David must arrive at the bus stop before half past five. What is the best time for him to arrive at the bus stop?
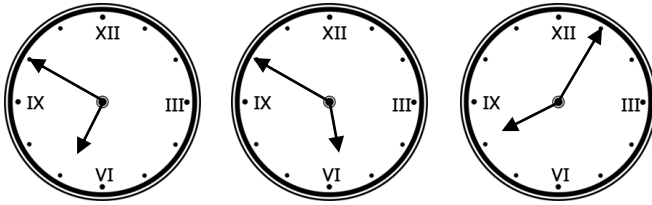
A   B   C

Explain why.

R

classroomsecrets.com

Reasoning and Problem Solving – Telling the Time to 5 Minutes – Year 3 Expected

Reasoning and Problem Solving – Telling the Time to 5 Minutes
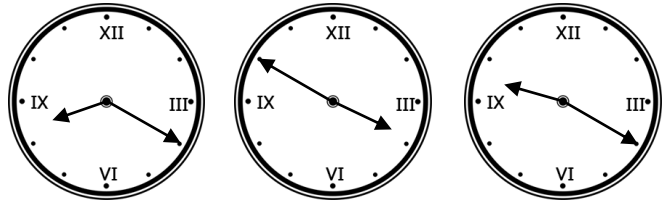
7a. Find the odd one out.

A. Ten minutes to six

B. Five minutes past nine

C. Five minutes past eight

D. Ten minutes to seven

PS

7b. Find the odd one out.

A. Twenty minutes to nine

B. Twenty minutes past nine

C. Ten minutes to four

D. Twenty minutes past eight

PS

8a. Joanne and Neil are drawing quarter to four on a clock.

Joanne: The minute hand points at IX and the hour hand points just before IV.

Neil: The hour hand points at IX and the minute hand points directly at IV.

Who is correct? Explain why.

R

8b. Kai and Ying are drawing half past two on a clock.

Kai: The hour hand points at II and the minute hand points at VI.

Ying: The minute hand points at VI and the hour hand points between II and III.
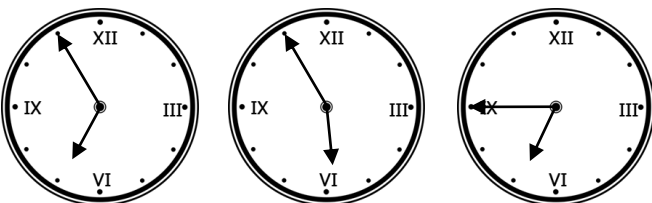
Who is correct? Explain why.

R

9a. The movie starts at ten to seven. What is the latest time Kendall should find her seat in the cinema?
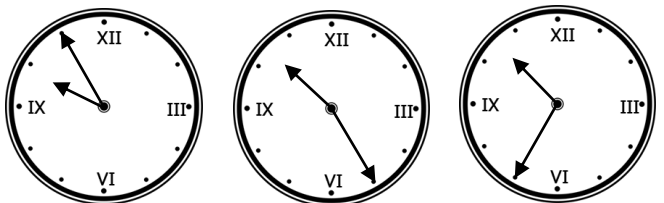

A   B   C

Explain why.

R

9b. Lorne finishes work at ten o'clock, and the shop closes at half past ten. When can Lorne go to buy milk?

A   B   C

Explain why.

R

classroomsecrets.com

Reasoning and Problem Solving – Telling the Time to 5 Minutes – Year 3 Greater Depth

Reasoning and Problem Solving – Telling the Time to 5 Minutes

Developing

1a. **B**

1b. **C**

2a. **Talia is correct. Kris is describing quarter past.**

2b. **Chase is correct. Leah is describing eight o'clock.**

3a. **A. She will arrive five minutes before class starts.**

3b. **A. They will be ready five minutes early.**

Expected

4a. **C**

4b. **B**

5a. **Kayla is correct. Jerry is describing twenty minutes past.**

5b. **Caleb is correct. Val is describing five o'clock.**

6a. **B. A she will arrive too late and C she will arrive too early.**

6b. **C. A and B he will arrive too late.**

Greater Depth

7a. **B**

7b. **A**

8a. **Joanne is correct. Neil is incorrect because the hour hand only points directly at a number on each hour.**

8b. **Ying is correct. Kai is incorrect because at half past the hour, the hour hand will always sit in between two numbers.**

9a. **C. A is five minutes late and B is too early.**

9b. **B. A is before he finishes work and C is after the shop closes.**