

Varied Fluency

Step 5: Converting Units of Time

National Curriculum Objectives:

Mathematics Year 5: (5M4) [Solve problems involving converting between units of time](#)

Differentiation:

Developing Questions to support converting between different units of time including seconds to minutes, minutes to hours, days to weeks, and months to years. Direct conversions only without mixed units or remainders ie 600mins = 10 hours.

Expected Questions to support converting between different units of time including seconds and minutes, minutes and hours, days and weeks, and months and years. Direct conversions with mixed units and remainders ie 40 days = 5 weeks and 5 days.

Greater Depth Questions to support converting between different units of time including seconds and minutes, minutes and hours, days and weeks, and months and years. Non-direct conversions with mixed units and remainders where some answers are given as a decimal ie 2.5 hours.

More [Year 5 Converting Units](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

Converting Units of Time

Converting Units of Time

1a. Match the equivalent times.

360
seconds

6 minutes

600
seconds

10 minutes



VF

1b. Match the equivalent times.

21 days

5 weeks

35 days

3 weeks



VF

2a. True or false?

28 days < 3 weeks



VF

2b. True or false?

600 minutes = 6 hours



VF

3a. Complete the statement below.

24 months =

- A. 2 years
- B. 3 years



VF

3b. Complete the statement below.

300 seconds >

- A. 3 minutes
- B. 5 minutes



VF

4a. Sort the times into ascending order.

4 hours

2 hours

180 minutes

60 minutes



VF

4b. Sort the times into descending order.

6 years

60 months

36 months

4 years



VF

Converting Units of Time

Converting Units of Time

5a. Match the equivalent times.

132 minutes

3 hours 8 minutes

90 minutes

2 hours 12 minutes

188 minutes

1 hour 30 minutes



VF

5b. Match the equivalent times.

100 days

13 weeks 2 days

93 days

12 weeks 1 day

85 days

14 weeks 2 days



VF

6a. True or false?

4 years 6 months = 52 months



VF

6b. True or false?

330 seconds > 5 minutes 30 seconds



VF

7a. Complete the statement below.

24 days >

- A. 3 weeks 2 days
- B. 3 weeks 3 days
- C. 3 weeks 4 days



VF

7b. Complete the statement below.

65 months =

- A. 5 years 5 months
- B. 5 years 6 months
- C. 6 years 5 months



VF

8a. Sort the times into ascending order.

650 seconds

10 minutes 20 seconds

10 minutes 30 seconds

610 seconds



VF

8b. Sort the times into descending order.

146 minutes

1 hour 56 minutes

1 hour 45 minutes

85 minutes



VF

Converting Units of Time

Converting Units of Time

9a. Match the equivalent times.

3,600 seconds

0.5 hours

1,800 seconds

1.5 hours

5,400 seconds

1 hour

2,700 seconds

0.75 hours



VF

9b. Match the equivalent times.

120 hours

4 days

96 hours

6 days

144 hours

10 days

240 hours

5 days



VF

10a. True or false?

76 weeks < 1.5 years



VF

10b. True or false?

1 week = 168 hours



VF

11a. Complete the statement below.

84 hours =

- A. 3.5 days
- B. 4.5 days
- C. 5 days
- D. 6.5 days



VF

11b. Complete the statement below.

2,880 minutes =

- A. 1 day
- B. 1.5 days
- C. 2 days
- D. 2.5 days



VF

12a. Sort the times into ascending order.

0.75 hours

6,060 seconds

98 minutes

2.5 hours

4,500 seconds

100 minutes



VF

12b. Sort the times into descending order.

144 weeks

18 months

60 months

2 years

48 months

156 weeks



VF

Varied Fluency Converting Units of Time

Developing

- 1a. 360 seconds = 6 minutes;
600 seconds = 10 minutes
2a. False: 28 days > 3 weeks
3a. A
4a. 60 minutes, 2 hours, 180 minutes, 4 hours

Expected

- 5a. 132 minutes = 2 hours 12 minutes;
90 minutes = 1 hour 30 minutes;
188 minutes = 3 hours 8 minutes
6a. False: 4 years 6 months = 54 months
7a. A
8a. 610 seconds, 10 minutes 20 seconds,
10 minutes 30 seconds, 650 seconds

Greater Depth

- 9a. 3,600 seconds = 1 hour; 1,800 seconds = 0.5 hours; 5,400 seconds = 1.5 hours; 2,700 seconds = 0.75 hours
10a. True
11a. A
12a. 0.75 hours, 4,500 seconds, 98 minutes, 100 minutes, 6,060 seconds, 2.5 hours

Varied Fluency Converting Units of Time

Developing

- 1b. 21 days = 3 weeks;
35 days = 5 weeks
2b. False: 600 minutes = 10 hours
3b. A
4b. 6 years, 60 months, 4 years, 36 months

Expected

- 5b. 100 days = 14 weeks 2 days;
93 days = 13 weeks 2 days;
85 days = 12 weeks 1 day
6b. False: 330 seconds = 5 minutes and 30 seconds
7b. A
8b. 146 minutes, 1 hour 56 minutes, 1 hour 45 minutes, 85 minutes

Greater Depth

- 9b. 120 hours = 5 days; 96 hours = 4 days;
144 hours = 6 days; 240 hours = 10 days
10b. True
11b. C
12b. 60 months, 48 months, 156 weeks, 144 weeks, 2 years, 18 months