

Maths Day 5 – converting time and problem solving

If you don't have access to a printer, please copy the whole tables or number sentences in your distance learning book – it makes it easier for you to check your answers, and for your parents or teachers to check your work.

Review:

1

Complete the conversions.

$1 \text{ year} = \square \text{ months}$

$\square \text{ years} = 24 \text{ months}$

$\square \text{ years} = 60 \text{ months}$

$2.5 \text{ years} = \square \text{ months}$

$3 \text{ years } 2 \text{ months} = \square \text{ months}$

$\square \text{ years } \square \text{ months} = 75 \text{ months}$

2

Complete the table.

| Days | Weeks / Weeks and Days |
|----------|------------------------|
| 42 days | |
| | 5 weeks and 5 days |
| | 10 weeks and 5 days |
| 100 days | |

3

Problem-solving (there is more than one answer, can you find all the possibilities?)

Teddy's birthday is in March.

Amir's birthday is in April.

Amir is 96 hours younger than Teddy.

What dates could Teddy Amir's birthdays be?



4

Three children are running a race.

- Whitney finishes the race in 3 minutes 5 seconds.



- Eva finishes the race in 192 seconds.



- Alex finishes the race in 2 minutes and 82 seconds.



Who finishes the race first?

5

Use the timetable to answer the following questions:

| Bus Timetable | | | | | |
|----------------------|-------|-------|-------|-------|-------|
| Halifax Bus Station | 06:05 | 06:35 | 07:10 | 07:43 | 08:15 |
| Shelf Roundabout | 06:15 | 06:45 | | 07:59 | 08:31 |
| Shelf Village Hall | 06:16 | 06:46 | 07:35 | 08:00 | 08:32 |
| Woodside | 06:21 | 06:50 | 07:28 | | |
| Odsal | 06:26 | 06:55 | 07:33 | 08:15 | 08:45 |
| Bradford Interchange | 06:40 | 07:10 | 07:48 | 08:30 | 09:00 |

Is the time to get from Shelf Roundabout to Bradford Interchange the same for every bus?

Why might the time not always be the same?

Why are some of the times blank?

6

Creative Maths Challenge:

There are five TV programmes on between 17:00 and 23:00. The News starts at 6 p.m. and lasts for 45 minutes. Mindless is on for 1 hour and ends at 18:00. Junk Collectors is on for 75 minutes and starts straight after The News. Catch Up is on for 300 seconds and starts at 20:00. The Thirsty Games is on for 175 minutes and ends at 23:00. Make a timetable for the evening TV.