Year 4 maths: Time units and rates (Medium)

Maths · Measurement
Level: Medium

Student: _____ Date: _____

Instructions
- There are 10 questions. Read each one carefully.
- Write your answers on this paper. Use the space under a question to work it out.
- A grown-up can read a question aloud — that's fine.
- The answers are at the end. Check them together when you have finished.

Questions

1. 240 seconds is how many minutes?

Answer: ☐ minutes

Working:

2. A beacon flashes once every 6 seconds. The first one is 6 seconds after the start. How many times does it flash in 2 minutes?

Circle one answer.

○ **A** 10 ○ **B** 12 ○ **C** 20 ○ **D** 720

3. A pump fills a tank with 9 L every minute. How many litres after 10 minutes?

Answer: ☐ L

Working:

4. A snail moves 3 cm every minute. How far does it move in 1 hour?

Answer: ☐ cm

Working:

5. Two friends each pick 5 apples a minute. How many apples do they pick together in 10 minutes?

Circle one answer.

○ **A** 10 ○ **B** 17 ○ **C** 50 ○ **D** 100

6. A clock loses 3 minutes every hour. It is set right at 10:00 pm. How many minutes slow is it at 4:00 am?

Circle one answer.

○ **A** 30 minutes ○ **B** 3 minutes ○ **C** 9 minutes ○ **D** 18 minutes

7. A pump moves 120 L of water in 1 minute. How much does it move in 10 seconds?

Circle one answer.

○ **A** 20 L ○ **B** 2 L ○ **C** 1200 L ○ **D** 12 L

8. A shop sells 200 ice blocks each month. How many ice blocks does it sell in a year?

Circle one answer.

○ **A** 212 ○ **B** 1200 ○ **C** 2000 ○ **D** 2400

9. A hedge was 80 cm tall in 2021. It grew 10 cm each year. How tall was it in 2025?

Circle one answer.

○ **A** 1 m 30 cm ○ **B** 40 cm ○ **C** 1 m 20 cm ○ **D** 1 m 2 cm

10. A cricket chirps 20 times a minute. How many times does it chirp from 6:00 to 6:15?

Circle one answer.

○ **A** 35 ○ **B** 300 ○ **C** 1200 ○ **D** 500

Answer key

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1. 4 minutes
240 ÷ 60 = 4 minutes.

2. C — 20
2 minutes is 120 seconds. 120 ÷ 6 = 20 flashes.

3. 90 L
10 × 9 = 90 L.

4. 180 cm
1 hour is 60 minutes. 60 × 3 = 180 cm.

5. D — 100
Together they pick 5 + 5 = 10 apples a minute. 10 × 10 = 100.

6. D — 18 minutes
10 pm to midnight is 2 hours, midnight to 4 am is 4 hours: 6 hours. 6 × 3 = 18 minutes.

7. A — 20 L
1 minute is 6 lots of 10 seconds. 120 ÷ 6 = 20 L.

8. D — 2400
12 months × 200 = 2400 ice blocks.

9. C — 1 m 20 cm
2021 to 2025 is 4 years. 4 × 10 = 40 cm. 80 + 40 = 120 cm = 1 m 20 cm.

10. B — 300
6:00 to 6:15 is 15 minutes. 20 × 15 = 300.