Assessment based on Exercise 1.4 Question 1

Question 1:

Without actually performing the long division, state whether the following rational numbers will have a terminating decimal expansion or a non-terminating repeating decimal expansion.

(i) $\frac{23}{8}$	(ii) $\frac{17}{25}$	(iii) $\frac{33}{50}$
Solution:		

Assessment based on Exercise 1.4 Question 1

Question 2:

Without actually performing the long division, state whether the following rational numbers will have a terminating decimal expansion or a non-terminating repeating decimal expansion.



Assessment based on Exercise 1.4 Question 1

Question 3 :

Without actually performing the long division, state whether the following rational numbers will have a terminating decimal expansion or a non-terminating repeating decimal expansion.



Assessment based on Exercise 1.4 Question 1

Question 4 :

Without actually performing the long division, state whether the following rational numbers will have a terminating decimal expansion or a non-terminating repeating decimal expansion.



Assessment based on Exercise 1.4 Question 1

Question 5 :

Without actually performing the long division, state whether the following rational numbers will have a terminating decimal expansion or a non-terminating repeating decimal expansion.



Assessment based on Exercise 1.1 Question 1

Answers

Answer: 1

(i) Terminating

(ii)Terminating

(iii)Terminating

Answer: 2

- (i) Non-terminating repeating
- (ii) Terminating
- (iii) Non-terminating repeating

Answer: 3

- (i) Terminating
- (ii) Non-terminating repeating
- (iii) Terminating

Answer: 4

- (i) Non-terminating repeating
- (ii) Terminating
- (iii) Non-terminating repeating

Answer: 5

- (i) Terminating
- (ii) Terminating
- (iii) Terminating