

WS30

- 1.** Which numbers below are perfect squares? Draw ^{Rectangle or squares} diagrams to support your answers.

a) 15 b) 26 c) 65 d) 100

List the factors

- 2.** Find a square root of each number.

a) 16 b) 49 c) 196 d) 400

- 3.** Find.

a) 11^2 b) $\sqrt{64}$ c) $\sqrt{169}$ d) $\sqrt{225}$

1.1

- 5.** List the factors of each number below in order from least to greatest.
Which of the numbers are square numbers? How do you know?
For each square number below, write a square root.

a) 216 b) 364 c) 729

- 7.** a) The area of a square is 24 cm^2 . b) The side length of a square is 9 cm.
What is its side length? What is its area?
Why is the side length not a whole number?

- 9.** Find.

a) $\sqrt{12 \times 12}$ b) $\sqrt{34 \times 34}$

10. Between which two consecutive whole numbers does each square root lie? How do you know? Sketch a number line to show your answers.

a) $\sqrt{3}$ b) $\sqrt{65}$ c) $\sqrt{72}$ d) $\sqrt{50}$

11. Show work to estimate the following

a) $\sqrt{17}$ b) $\sqrt{108}$ c) $\sqrt{33}$ d) $\sqrt{79}$