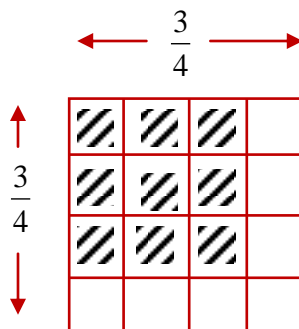


Part A: Place your answer in the space provided.

1. List the whole number perfect squares between 16 and 81. 1. 25, 36, 49, 64
2. What is the area of a square with a side length of 7 cm? 2. 49 cm²
3. What is $\sqrt{1.44}$? 3. 1.2
4. What is the square root of 169? 4. 13
5. Is $\frac{49}{16}$ a perfect square? 5. Yes because $\sqrt{\frac{49}{16}} = \frac{7}{4}$
6. Circle the correct word(s) to complete the sentence.
 $\sqrt{13}$ gives a _____ decimal. 6. non-terminating, non-repeating, terminating
7. $\sqrt{0.0121} = 0.11$ Is 0.0121 a perfect square? 7. Yes
8. What is the square of $\frac{2}{5}$? 8. $\frac{4}{25}$
9. Calculate 0.8^2 9. 0.64
10. Is $\frac{33}{36}$ a perfect square? 10. No, because 33 is not

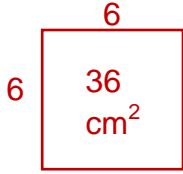
Part B: Show all workings in the space provided.

11. Illustrate with a diagram how to determine
- $\sqrt{\frac{9}{16}}$
- .



$$\sqrt{\frac{9}{16}} = \frac{3}{4}$$

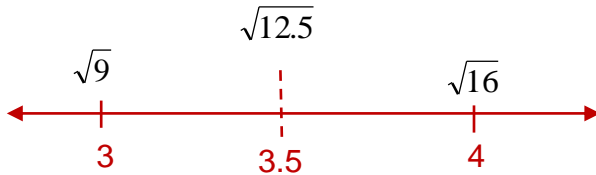
12. What is the perimeter of a square with an area of 36 cm^2 ?



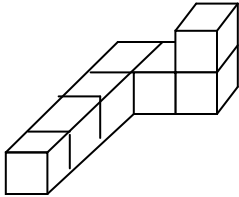
Perimeter = $4 \times 6 = 24 \text{ cm}$

13. Calculate $\sqrt{\frac{8}{18}}$. Lowest terms = $\sqrt{\frac{4}{9}} = \frac{2}{3}$

14. Estimate $\sqrt{12.5}$. Identify the benchmarks you used and show all your workings.



15. Each cube has edge length 1 unit. Determine the surface area of the object.



Total SA = 30 units^2

16. Find the surface area of this composite object.

Small Prism = 144 m^2

Large Prism = 360 m^2

Overlap = 36 m^2

Total SA = 468 m^2

