

April 25th

5-a-day

Numeracy

Write down a multiple of 9

Any from
9 18 27 36 - .

Write down a multiple of 12

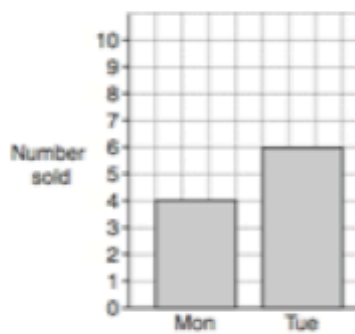
Any from
12 24 36 48 60..

Write down a factor of 10

Any from
1 2 5 10

Write down all the factors of 12

1, 2, 3, 4, 6, 12

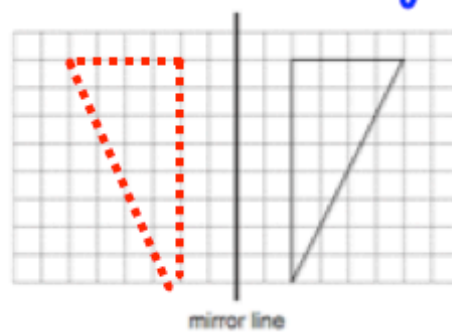


How many were sold on Monday?

4

How many more were sold on Monday than Tuesday?

~~Tuesday than Monday?~~ 2



Shade $\frac{2}{3}$ of this diagram.



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Foundation

$$0.1 \times \boxed{60} = 6$$

$$5 \div \boxed{0.01} = 500$$

Find the approximate value of

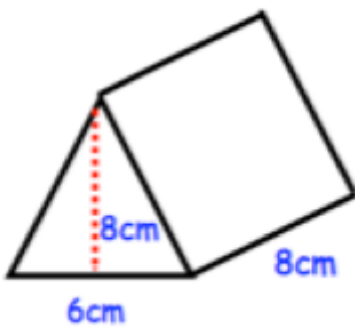
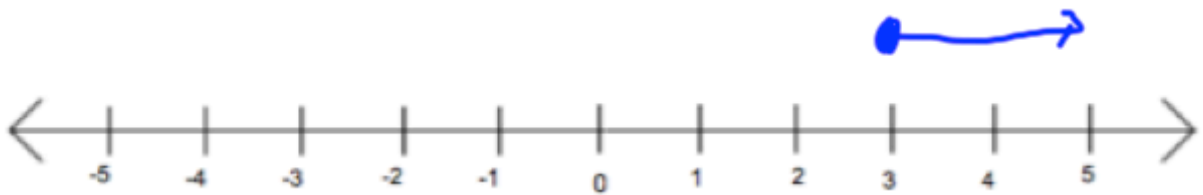
$$\frac{41 \times 197}{78}$$

\approx

$$\frac{40 \times 200}{80} = \frac{8000}{80}$$

$$= 100$$

Draw $x \geq 3$ on the number line

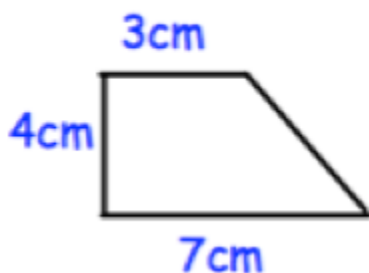


Calculate the volume of this prism.

$$3 \times 8 = 24$$

$$24 \times 8 = 192 \text{ cm}^3$$

Calculate the area



$$\frac{1}{2}(3+7) \times 4$$

$$5 \times 4 = 20$$

$$20 \text{ cm}^2$$

$$1\frac{1}{5} + 3\frac{7}{10}$$

$$\frac{6}{5} + \frac{37}{10}$$

$$\frac{12}{10} + \frac{37}{10}$$

$$= \frac{49}{10}$$

$$4\frac{9}{10}$$

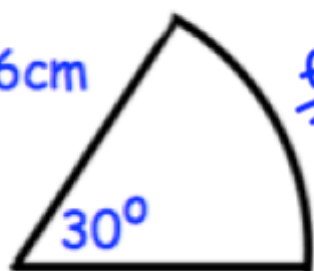
Find the volume of a cylinder with diameter 8cm and height 20cm.

$$\pi \times r^2 \times h$$

$$\pi \times 4^2 \times 20 =$$

$$1005.3\text{cm}^3$$

6cm



$$\frac{\theta}{360} \times \pi \times r^2$$

$$\frac{30}{360} \times \pi \times 6^2$$

$$9.4\text{cm}^2$$

or 3π .

Calculate the area of the sector.

Calculate the perimeter of the sector.

$$\frac{30}{360} \times \pi \times 12 = \pi$$

$$6 + 6 + \pi = 15.14\text{cm}$$

$$\frac{11 \pm \sqrt{121 - 4(5)(-4)}}{10}$$

$$\frac{11 \pm \sqrt{200}}{10}$$

$$\Rightarrow x = 2.51$$

$$\text{or } x = -0.31$$

Solve $5x^2 - 11x - 4 = 0$ using the quadratic formula.

$$a = 5 \quad b = -11$$

$$c = -4$$

$$\frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$