

April 15th

5-a-day

Numeracy

7^2

49

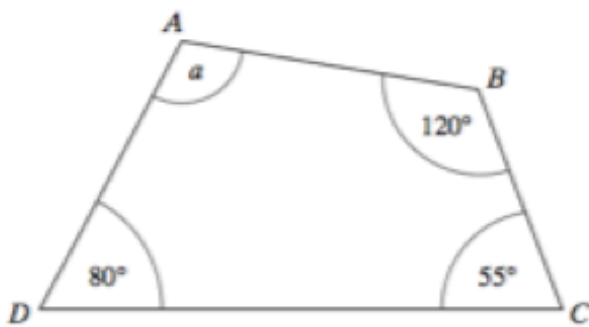
$\sqrt{64}$

8

Three coffees cost £2.25

What is the cost of five coffees?

£ 3.75



Find a

105°

w	w	w	w	28
w	w	x	x	34
w	w	x	y	26
w	x	y	z	40

$$w = 7$$

$$x = 10$$

$$y = 2$$

$$z = 21$$

Find w, x, y and z

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Foundation

Solve

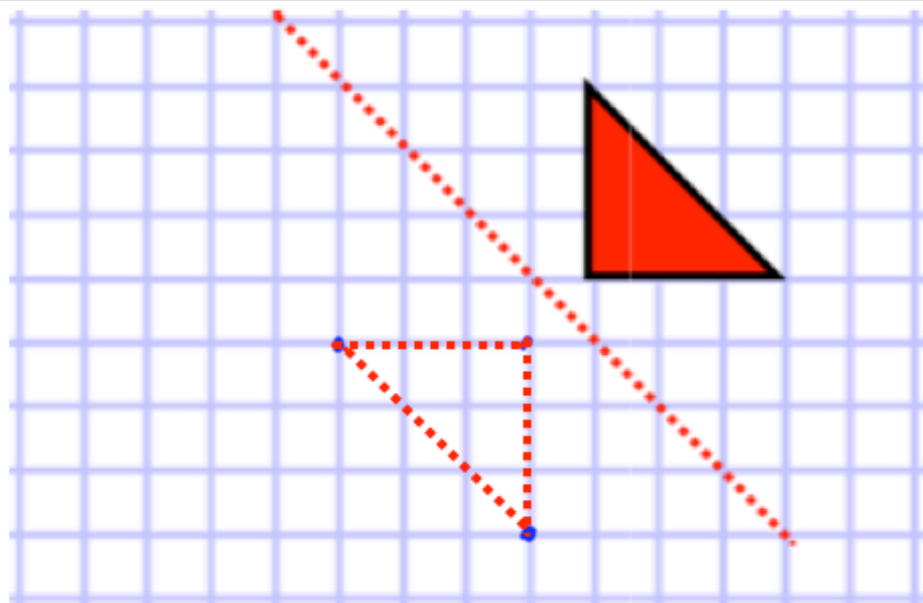
$$4y - 5 = 5$$

$$4y = 10$$
$$y = 2.5$$

A coin is flipped 100 times. It lands on heads 61 times and tails 39 times.

What is the relative frequency of getting a tails?

$$\frac{39}{100}$$

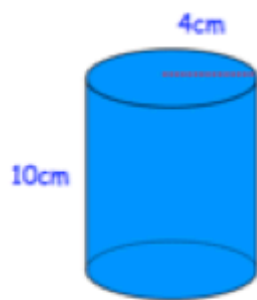


Reflect the triangle in the mirror line

$$\text{Solve } 8y + 1 = 13 - 2y$$

$$10y + 1 = 13$$
$$10y = 12$$

$$y = 1.2$$



Calculate the volume of the cylinder.

$$\pi \times 4^2 \times 10$$

$$= 502.7 \text{ cm}^2$$

A dice is rolled 4 times.

What is the probability of getting a number under 3, all 4 times?

$$\frac{2}{6} \times \frac{2}{6} \times \frac{2}{6} \times \frac{2}{6}$$

$$= \frac{1}{81}$$

Factorise $2x^2 + 5x + 2$

$$(2x + 1)(x + 2)$$

There are 10 sweets in a bag.

4 are strawberry

5 are lemon

1 is chocolate

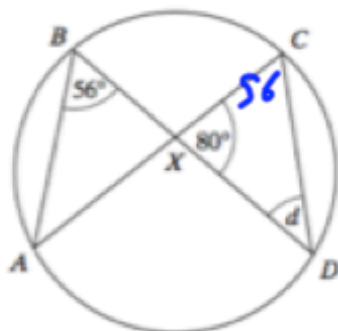
Two sweets are chosen at random

What is the probability both sweets are the same?

$$SS = \frac{4}{10} \times \frac{3}{9} = \frac{12}{90}$$

$$LL = \frac{5}{10} \times \frac{4}{9} = \frac{20}{90}$$

$$\frac{32}{90}$$



Calculate d

$$80 + 56 = 136$$

$$d = 44^\circ$$