

$$\textcircled{1} \text{ Outcomes} = 5^2$$

$$= 25$$

T T	W T ✓	Th T	F T	S T
T W ✓	W W	Th W ✓	F W	S W
T Th	W Th ✓	Th Th	F Th ✓	S Th
T F	W F	Th F ✓	F F	S F ✓
T S	W S	Th S	F S ✓	S S

Probability both visit shop on same day = $\frac{5}{25}$

$$= \frac{1}{5}$$

Probability they visit shop on consecutive days = $\frac{8}{25}$

Probability they visit shop on different days = $1 - \frac{1}{5}$

$$= \frac{5-1}{5}$$

$$= \frac{4}{5}$$