

Code Breaker: Expected Outcomes *ANSWERS*

The Maths Habit

CRACK THE CODE

Work out how many times you would expect each thing to happen. Look your answer up in the **Code Box** and write the letter it unlocks in the white box. Collect all thirteen letters in the strip, then unscramble them to find the answer.

13 CLUES



1 $P = \frac{1}{4}$ 80 trials E	2 $P = \frac{1}{2}$ 30 trials A	3 $P = \frac{1}{5}$ 60 trials T	4 $P = \frac{1}{6}$ 60 trials C
5 $P = \frac{3}{10}$ 90 trials U	6 $P = \frac{2}{5}$ 100 trials R	7 $P = 0.1$ 80 trials E	8 $P = 0.3$ 200 trials S
9 $P = \frac{3}{4}$ 48 trials E	10 $P = 0.25$ 200 trials S	11 $P = \frac{5}{8}$ 40 trials T	12 $P = 0.45$ 400 trials H
13 $P = \frac{2}{3}$ 150 trials R	YOUR LETTERS E A T C U R E S E S T H R UNSCRAMBLE Clue: where a pirate keeps gold (8, 5) <u>TREASURE CHEST</u>		

CODE BOX

6 = O	8 = E
10 = C	12 = T
15 = A	16 = I
20 = E	24 = P
25 = T	27 = U
30 = D	36 = E
40 = R	45 = N
50 = S	60 = S
75 = L	100 = R
180 = H	320 = M



Code Breaker: Expected Outcomes *ANSWERS*

The Maths Habit

CRACK THE CODE

Work out how many times you would expect each thing to happen. Look your answer up in the **Code Box** and write the letter it unlocks in the white box. Collect all thirteen letters in the strip, then unscramble them to find the answer.

13 CLUES



1 $P = \frac{1}{4}$ 80 trials E	2 $P = \frac{1}{2}$ 30 trials A	3 $P = \frac{1}{5}$ 60 trials T	4 $P = \frac{1}{6}$ 60 trials C
5 $P = \frac{3}{10}$ 90 trials U	6 $P = \frac{2}{5}$ 100 trials R	7 $P = 0.1$ 80 trials E	8 $P = 0.3$ 200 trials S
9 $P = \frac{3}{4}$ 48 trials E	10 $P = 0.25$ 200 trials S	11 $P = \frac{5}{8}$ 40 trials T	12 $P = 0.45$ 400 trials H
13 $P = \frac{2}{3}$ 150 trials R	YOUR LETTERS E A T C U R E S E S T H R UNSCRAMBLE Clue: where a pirate keeps gold (8, 5) <u>TREASURE CHEST</u>		

CODE BOX

6 = O	8 = E
10 = C	12 = T
15 = A	16 = I
20 = E	24 = P
25 = T	27 = U
30 = D	36 = E
40 = R	45 = N
50 = S	60 = S
75 = L	100 = R
180 = H	320 = M

