

1

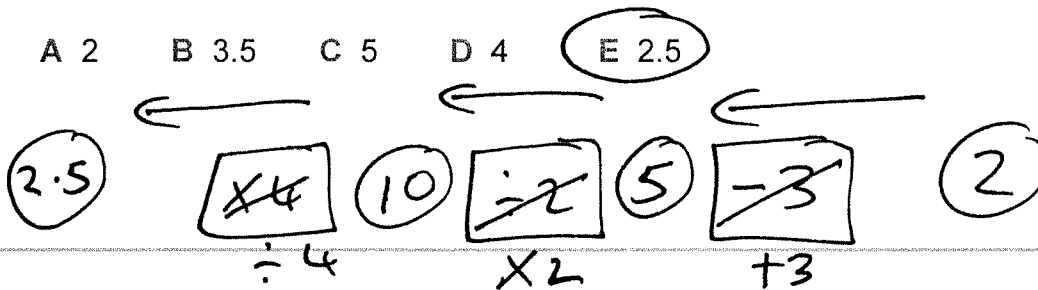
Ryan is thinking of a number.

He multiplies it by 4, then divides it by 2, then subtracts 3.
His answer is 2.

What number did Ryan start with?

$$4 \overline{) 10.20} \begin{array}{r} 02.5 \\ \underline{8} \\ 20 \\ \underline{20} \\ 0 \end{array}$$

- A 2 B 3.5 C 5 D 4 E 2.5



2

Ross needs 410 metres of wood to build a climbing frame.
The timber yard sells wood in 25 metre lengths.

How many lengths will Ross need to purchase?

$$5 \overline{) 410} \begin{array}{r} 82 \\ \underline{10} \\ 310 \\ \underline{300} \\ 10 \end{array}$$

16 r 2
Need an extra

- A 17 B 16 C 18 D 15 E 20

3

Look at the sequence below. What are the first and last missing numbers?

$$\frac{1}{\div 3}, 3, 9, 27, 81, \frac{243}{\div 3}$$

$\times 3 \times 3 \times 3 \times 3$

$$\frac{81}{\times 3} \\ \underline{243}$$

Which pair shows the correct first and last numbers?

- A 3 and 243 B 3 and 162 C 1 and 162 D 1 and 243 E 1 and 324

4

There are 80g of cereal in one portion.
How many portions are there in a 6kg bag of cereal?

6000g
1kg = 1000g

How many portions are there in the bag?

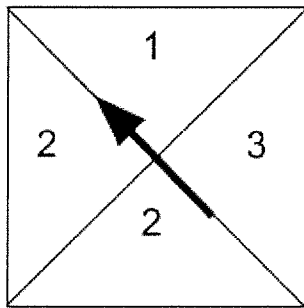
075
80 | 6040

- A 80 B 60 C 75 D 48 E 90

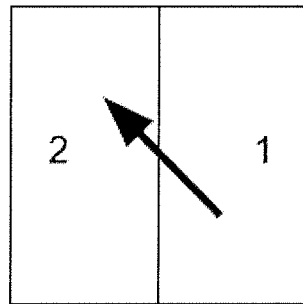
For question 5, you have to **write your answers** in the spaces below.

5

Look at the two spinners below (A and B). They are both **squares**.



A



B

For each statement below tick **True** or **False**.

Scoring '1' is **less likely** on A than on B.

Scoring '2' is **more likely** on A than on B.

Scoring '3' is **equally likely** on A than on B.

$\frac{1}{4}$ $\frac{1}{2}$
 $\frac{2}{4} = \frac{1}{2}$ $\frac{1}{2}$
 $\frac{1}{4}$ $\frac{2}{4}$

True	False
✓	
	✓
	✓

Read the **whole** passage carefully, then answer the questions that follow.

Practice Makes Perfect

1. Oliver was excited when his grandmother invited him into her pottery studio. After all, Nana
2. did not give all her grandchildren such an invitation. Oliver looked forward to sinking his
3. hands into some wet clay and placing his bowl in the heated kiln until it hardened like stone. ①
4. "Be careful with that," Nana said as Oliver picked up one of the bowls. The boy gently put the
5. bowl back on the shelf and stuck his hands inside his pockets. He was anxious to get started
6. on the lesson Nana had promised him. And he didn't want to risk losing that chance by
7. breaking any of her finished pieces of pottery. ② ③
8. Five hours later, Oliver was frustrated and tired. His first attempt, a black blob that looked
9. more like a rock than a bowl, was a failure. His second attempt was hardly any better. ④
10. However, he had at least figured out how to make a smooth opening in the centre of the clay.
11. Meanwhile, Nana was keeping busy. A wide, shallow bowl and a deep, narrow bowl rested
12. on Nana's worktable. Her practiced hands began to shape yet another spinning lump of clay.
13. "I'll never get it!" Oliver said, feeling defeat close in.
14. Nana looked at her grandson and sighed. "Don't worry, you'll get it," she reassured him. "The
15. only way you won't learn is if you give up." ⑤

1

Where does the story take place?

- A In a school classroom
- B In a kitchen at home
- C In a pottery studio
- D In a garden shed
- E In an art gallery

2

How does Oliver feel at the start of the story?

- A Nervous and worried
- B Excited and eager to begin
- C Tired and bored already
- D Angry and upset with Nana
- E Confused and unsure what to do

3 Why does Oliver put his hands in his pockets?

- A He is cold in the studio
- B He is feeling nervous about the lesson
- C He wants to show he is ready to start
- D He doesn't want to risk breaking Nana's pottery
- E Nana told him to keep them there

4 How does Oliver feel after five hours of trying?

- A Proud and happy with his progress
- B Calm and ready to keep trying
- C Bored and distracted by Nana
- D Ready to go home immediately
- E Frustrated and tired

5 What does Nana's advice tell us about her?

- A She thinks Oliver is naturally talented
- B She prefers to work alone
- C She is strict and easily frustrated
- D She does not think Oliver will succeed
- E She believes persistence and practice lead to success