

1

3rd →

(12)

20

Look at the rule below:

10

Subtract 2 from the previous number and then multiply by 2.

18

(20)

(36) ✓

Gemma uses this rule to write a sequence of 5 numbers. The first number Gemma writes is 6. The third number she writes is 12.

What is the fifth number in her sequence?

A 4

B 12

C 20

D 28

(E 36)

2

Annie had eighteen coins in her purse. She had:

Two	10p coins	20
Three	5p coins	15
Twelve	2p coins	24
One	1p coin	+1
		<u>60</u>

$$\begin{array}{r} 3 \\ 20 \overline{) 60} \end{array}$$

At the bank, Annie exchanges these coins for 20p coins.

How many 20p coins did she get?

A 1

B 2

(C 3)

D 4

E 5

3

Majed has 148 Pokémon cards and he is hoping to sell them for 40p each. ³

If he sells all the cards how much money will he make in total?

$$\begin{array}{r} 148 \\ \times 40 \\ \hline \pounds 59.20 \end{array}$$

(A £59.20)

B £47.80

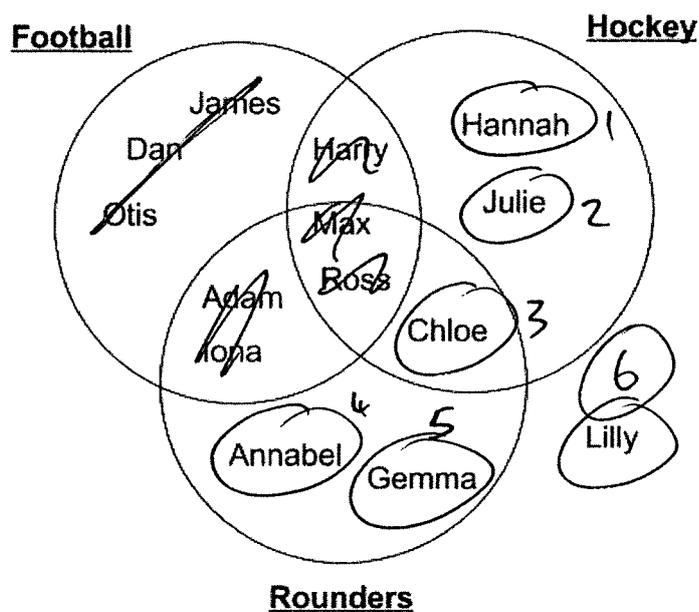
C £34.60

D £65.30

E £71.10

4

A class survey was carried out to find the sports 14 different pupils enjoy. The Venn diagram below shows the results of the survey.



How many children do not like football?

A 5

B 6

C 7

D 8

E 9

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

5

Look at the numbers below.

8 9 10 11

Use these to answer the statements below.

- 10 is a triangular number. 1, 3, 6, 10
- 11 is a prime number.
- 9 is a square number. 3×3
- 8 is a cubed number. $2 \times 2 \times 2$

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

In a Pickle

1. With the right supplies, you can make your own pickles at home.
2. **A Clean Start**
3. All supplies that you use must be very clean when you make pickles at home. A dirty jar or
4. spoon can spoil an entire batch of pickles.
5. **The Cucumber Is King** (5)
6. The perfect pickle is crunchy. It starts with a firm, fresh cucumber. To make fresh pickles, fill
7. jars with freshly picked cucumbers. Then pour a heated mixture of salt, vinegar, and spices into (5)
8. the jars. Seal the jars with clean lids. Allow the pickles to cool, and put the jars in the
9. refrigerator. Write the date on the jars. (4)
10. **Timing Is Everything**
11. Leave your homemade pickles in the refrigerator. Pay attention to the date on the jars. If you
12. haven't eaten the pickles after six months, throw them away.
13. **Other Pickled Foods**
14. In addition to making pickles at home, you can try pickling other vegetables. Pickled
15. carrots, cauliflower, and garlic cloves make tasty snacks and give salads some extra
16. flavour.

Please answer these questions. (Look at the passage again if you need to.) You should circle the **best** answer.

1

What type of writing is the above text?

- A Narrative
- B Fiction
- C Information
- D Poetry
- E History

2

What do you think would happen if you used soft cucumbers for your pickles?

- A The jars would not seal tightly.
- B The pickles would not be crunchy.
- C The pickles would stay fresh longer.
- D The cucumbers would not fit in the jars.
- E The pickles would taste even better.

3 What might happen if you do not write the date on the jars?

- A You might forget what is in the jars.
- B You might get extra-crunchy pickles.
- C You might eat bad pickles.
- D You might not be able to open the jars.
- E You might sell the pickles.

4 What is the last step in making pickles?

- A Seal the jars with clean lids.
- B Place the jars in the refrigerator.
- C Wash the jars, lids, and spoon.
- D Heat vinegar, salt, and spices.
- E Cut the cucumbers into slices.

5 Under which heading can you find the ingredients for making pickles?

- A "A Clean Start"
- B "The Cucumber Is King"
- C "Timing Is Everything"
- D "Other Pickled Foods"
- E There is no mention of ingredients in the text.