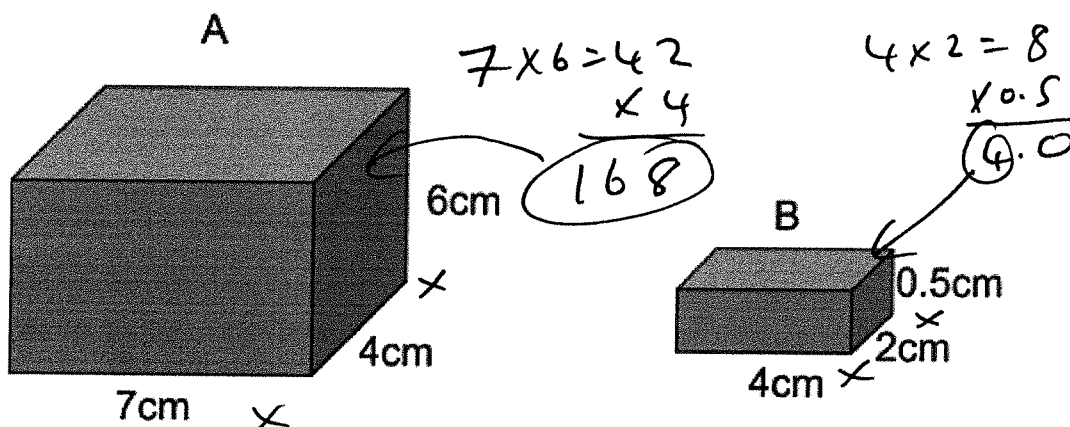


1

Look at the two cuboids below.



Fill in the sentence below with the correct number to make the statement correct.

The volume of cuboid A is _____ times the volume of cuboid B.

A 24

B 42

C 21

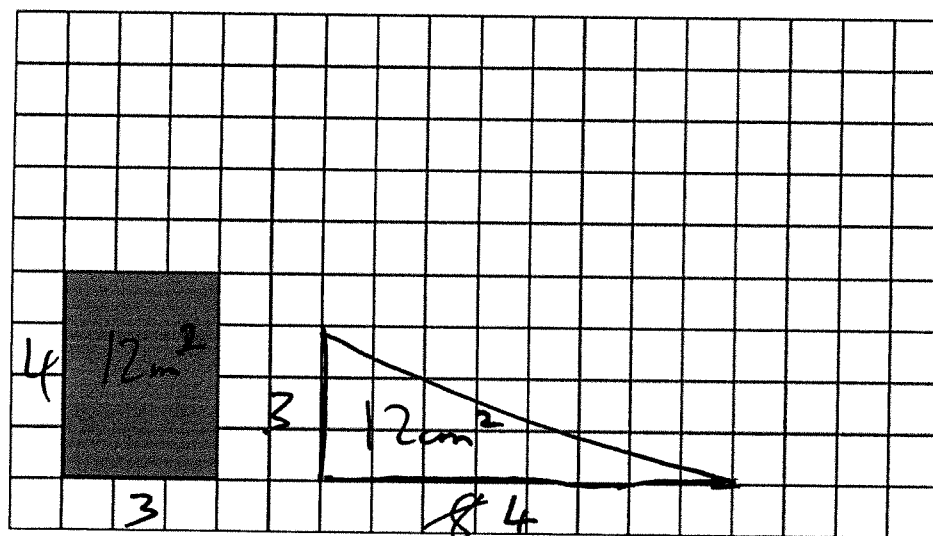
D 84

E 8

$$\begin{array}{r} 042 \\ 4 \overline{) 168} \end{array}$$

2

Look at the grid below. Within the grid there is a rectangle.



What are the dimension of the triangle that has the same area as the rectangle?

A 3 x 4

B 6 x 8

C 3 x 8

D 3 x 6

E 8 x 4

3

Liam is going on a run. His three favourite songs take him the whole distance of the run. Below is the length of each song.

Song 1: 3 minutes ~~29~~ seconds

Song 2: 4 minutes ~~87~~ seconds

Song 3: 5 minutes ~~17~~ seconds

$$\begin{array}{r} +12 \\ +83 \\ \hline \end{array}$$

$$\begin{array}{r} 12\text{m } 83\text{sec} \\ +1\text{m } 60\text{sec} \\ \hline 13\text{m } 23\text{sec} \end{array}$$

What is the total length of time the three songs play while Liam is running?

A 12 min 13 sec

B 13 min 3 sec

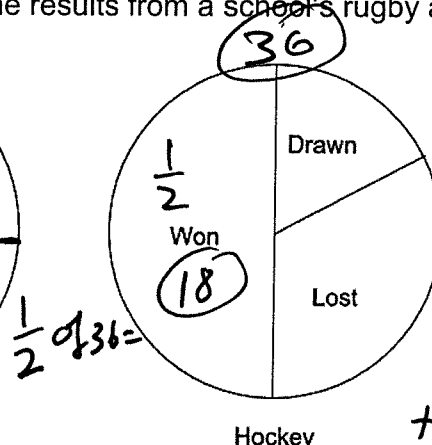
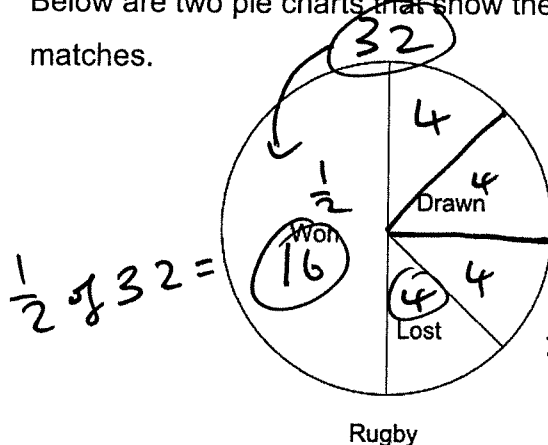
C 13 min 23 sec

D 14 min 13 sec

E 15 min 3 sec

4

Below are two pie charts that show the results from a school's rugby and hockey matches.



The rugby team played 32 games and the hockey team played 36 games. Work out the number of games both teams won altogether.

How many games did both teams win altogether? Write your answer in the space provided.

A 28

B 68

C 34

D 36

E 40

For question 5, you have to **write your answer** in the space provided.

5

Look at the pie charts in Q4.

How many games did the rugby team lose?

4 games (3-6 acceptable)

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

Lights, Action, Snakes!

1. "Cut!" the director yelled, clearly happy with what he had just witnessed. "Excellent work,
2. Everyone! Take a break before the next scene." Sam and Diane, the stars of the film, walked
3. with an air of hubris, off the set together. However, when they reach their chairs and sat down
4. Sam removed his wool cap and squeezed it nervously.
5. "You seem worried," Diane said with a concerned tone in her voice. "Snakes creep me out,"
6. whispered Sam, shuddering at the thought. "I hate being anywhere near them, the way they
7. slither and hiss, I can't stand it!" "The scene won't take long," Diane reassured him, with a sly
8. smile coming over her face. "Just get it out of the way, and you won't have to think about it
9. anymore."
10. "Why can't they use fake snakes? Or a stunt double—someone to play the scene for me?"
11. Sam asked. "Or better yet, maybe you could hold the snakes!" he suggested. Diane shook her
12. head. "No, no. That wouldn't make sense in the movie."
13. "Well, it makes sense to me," replied Sam, clearly not happy with the situation. "Oh, come on,"
14. Diane said. "Think of your reputation. A big, strong action star like you— What would happen if
15. your fans knew how scared you were of some harmless little reptiles?"
16. Sam narrowed his eyes. He knew where Diane was going with this line of questioning. "You
17. wouldn't dare tell." "I would if you tried to get out of it," Diane threatened. Sam paused for a
18. moment, clearly thinking about all the different permutations. "You're right," he said. "I wouldn't
19. want that."

1

Which statement best expresses the main idea of the passage?

- A Sam and Diane enjoy filming with the snakes and look forward to the next scene.
- ☒ B Despite being afraid of snakes, Sam is persuaded to go ahead with the film scene.
- C Sam and Diane argue about who should star in the next film they make together.
- D Sam refuses to act in the scene with the snakes and causes the film to be cancelled.
- E The director is very unhappy with Sam's and Diane's performance in the scene.

2

Which of the following happened first in the passage?

- A Sam suggested that Diane could hold the snakes instead.
- B Sam removed his wool cap and squeezed it nervously.
- ☒ C The director called "Cut!" at the end of the scene.
- D Diane threatened to tell people about Sam's fear.
- E Sam said he would not want his fans to know about his fear.

3

Which of the following is NOT supported by the passage?

- A Sam is afraid of snakes.
- B Diane reassured Sam that the scene would not take long.
- ☒ C The director was disappointed with the filming and demanded another take.
- D Sam walked off the set with Diane after the director called cut.
- E Sam thought that using fake snakes was a reasonable idea.

4

When Diane threatened to tell people about Sam's fear, _____.

- A he laughed and said he did not mind at all.
- ☒ B he agreed to go ahead and film the scene with the snakes.
- C he called the director over to explain the situation.
- D he immediately walked off the film set.
- E he asked Diane to hold the snakes for him throughout the scene.

5

What does the word "hubris" suggest about how Sam and Diane felt as they walked off set?

- A They felt nervous and worried about the next scene.
- ☒ B They felt full of confidence and self-importance.
- C They felt relieved that the difficult scene was finally over.
- D They felt deeply embarrassed by the director's criticism.
- E They felt exhausted after performing such a dangerous stunt.