

Maths - Fractions

Malik has 24 T-shirts. $\frac{3}{8}$ of them are blue.

How many of Malik's T-shirts are blue?

☒ a) 9

☐ b) 11

☐ c) 10

☐ d) 8

☐ e) 7

Jason and Melia have £42 to spend between them. Jason spends $\frac{1}{6}$ of the money and Melia spends $\frac{4}{7}$ of the money.

How much do they have left?

☐ a) £8

☐ b) £15

☒ c) £11

☐ d) £18

☐ e) £31

$$\begin{array}{r} \times 7 \\ 7 \\ \hline 42 \end{array}$$

$$\begin{array}{r} \times 6 \\ 24 \\ \hline 42 \end{array}$$

$$\begin{array}{r} 31 \\ \hline 42 \end{array}$$

When the fractions below are put in order from smallest to largest, which one will be in the middle?

☐ a) $\frac{1}{6}$

☒ b) $\frac{1}{3}$

☐ c) $\frac{5}{6}$

☐ d) $\frac{5}{24}$

☐ e) $\frac{5}{12}$

$$\begin{array}{r} 4 \\ 24 \\ \hline 8 \\ 24 \\ \hline 20 \\ 24 \\ \hline 5 \\ 24 \\ \hline 10 \\ 12 \end{array}$$

Jake, Jamilia and Mia painted a fence between them. Jake painted one third of the fence, and Jamilia painted one sixth. What fraction of the fence did Mia paint?

☐ a) $\frac{1}{6}$

☐ b) $\frac{5}{6}$

☒ c) $\frac{1}{2}$

☐ d) $\frac{2}{3}$

☐ e) $\frac{1}{3}$

$$\begin{array}{r} \frac{1}{3} + \frac{1}{6} \\ \frac{2}{6} + \frac{1}{6} = \frac{3}{6} \end{array}$$

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Rory shops for a complete set of action figures. He buys $\frac{1}{3}$ of the set online and $\frac{8}{15}$ of the set in a shop.

What fraction of the complete set does Rory own after shopping?

- ☐ a) $\frac{5}{6}$
- ☒ b) $\frac{13}{15}$
- ☐ c) $\frac{23}{25}$
- ☐ d) $\frac{7}{8}$
- ☐ e) $\frac{3}{5}$

$$\frac{1}{3} + \frac{8}{15}$$

$$\frac{5}{15} + \frac{8}{15} = \frac{13}{15}$$

Karen makes 36 biscuits for her friends Jo and Gill. Jo takes $\frac{1}{6}$ of Karen's biscuits. Gill then takes $\frac{1}{2}$ of the remaining biscuits.

How many biscuits will be left?

- ☐ a) 16
- ☐ b) 12
- ☐ c) 18
- ☒ d) 15
- ☐ e) 6

$$\frac{1}{6} \text{ of } 36 = 6$$

$$\frac{1}{2} \text{ of } 30$$

In his drawer, Ted has four pairs of green socks, six pairs of orange socks and three pairs of purple socks. Ted puts on a pair of orange socks from his drawer. What fraction of the socks left in the drawer are green?

- ☐ a) $\frac{1}{4}$
- ☐ b) $\frac{7}{12}$
- ☒ c) $\frac{1}{3}$
- ☐ d) $\frac{1}{2}$
- ☐ e) $\frac{4}{13}$

$$4 + 6 + 3 = 13$$

$$13 - 1 = 12$$

$$\frac{4}{12} = \frac{1}{3}$$

Which of these fractions is equivalent to $\frac{28}{36}$?

$$\frac{14}{18} \quad \frac{7}{9}$$

- ☐ a) $\frac{4}{5}$
- ☐ b) $\frac{3}{4}$
- ☐ c) $\frac{7}{8}$
- ☒ d) $\frac{7}{9}$
- ☐ e) $\frac{8}{9}$

Verbal Reasoning – Opposite Meaning

- | | |
|-------------------------------------|-----------------------------------|
| 1. (cellar <u>upstairs</u> landing) | (<u>downstairs</u> hall kitchen) |
| 2. (<u>clean</u> neat floor) | (carpet <u>filthy</u> trim) |
| 3. (pretty <u>young</u> slender) | (crooked mean <u>old</u>) |
| 4. (<u>beautiful</u> happy bright) | (boring <u>hideous</u> harsh) |
| 5. (large over <u>full</u>) | (slim time <u>empty</u>) |
| 6. (with <u>wide</u> high) | (right <u>narrow</u> tapering) |
| 7. (blush cuddle <u>love</u>) | (ignore sad <u>loathe</u>) |
| 8. (hill river <u>deep</u>) | (water <u>shallow</u> stream) |
| 9. (matt <u>shiny</u> soft) | (sturdy lean <u>dull</u>) |
| 10. (peel <u>stretch</u> chop) | (wash <u>squash</u> slice) |
| 11. (<u>wealthy</u> famous lucky) | (lonely <u>poor</u> gloomy) |
| 12. (shop <u>sell</u> deal) | (borrow pay <u>buy</u>) |
| 13. (part main <u>minor</u>) | (much <u>major</u> some) |
| 14. (tacky <u>cheap</u> bargain) | (rich <u>costly</u> lucky) |
| 15. (<u>enemy</u> rebel villain) | (<u>friend</u> mentor colleague) |
| 16. (crowd <u>busy</u> people) | (silent <u>quiet</u> still) |
| 17. (<u>taut</u> baggy small) | (undone <u>slack</u> free) |
| 18. (limp <u>bumpy</u> rocky) | (<u>flat</u> alive slippery) |

An adapted extract from 'A Popular Schoolgirl'

Ingred woke suddenly, and laughed at the absurdity of her dream. She felt hot, and threw back her quilt. The other girls were sleeping quietly, and the rain was still beating against the window in heavy showers, for a storm was raging around the boarding school. The door of the bedroom stood wide open. What was that

5 sound coming up the stairs from the hall below? It was certainly not the ticking of the clock. It seemed more like muffled and stealthy footsteps. In an instant Ingred was very wide awake indeed, and listening intently. There it came again! She could not lie still and ignore it. She got out of bed, and with rather shaking knees walked on to the landing and peeped over the banisters. There was a tiny

10 oil-lamp hanging on the wall; it faintly illuminated the stairs. Was that somebody moving about in the darkness of the hall? If it was a burglar, he certainly must not come upstairs, or she would die of fright. An idea occurred to her, and acting on a sudden impulse she dashed into Dormitory 2, roused the others, and told them to snatch what missiles they could, and hurry to her aid.

15 "We'll fling things at him if he tries to come up!" she gasped, groping for her boots.

It was a horrible experience: four nervous, quaking girls stood in the dim light on the landing gazing down into the haunted blackness of the shadowy hall. The sounds had ceased temporarily, but now they began again — a distinct shuffling

20 as of footsteps, and even a subdued sniff, then the outline of a dark figure made its appearance, bearing straight for the stairs.

With quite commendable bravery Ingred flung her boots at it, which missiles were instantly followed by Nora's hairbrush, Fil's satchel, and Verity's pillow. It screamed in a most unburglar-like voice, and apparently with genuine fright.

25 "If you t-t-t-try to c-c-come nearer, I'll c-c-call the police!" quavered Ingred, wishing she had at least a telephone-shaped object to bluff with.

1. Why does Ingred laugh when she first wakes up?

- A. She hears a funny noise
- ☒ B. She remembers her dream and finds it silly
- C. Her friends are telling jokes
- D. She is not tired anymore

2. What does the storm outside help to create in the story?

- A. A happy mood
- B. A calm and peaceful setting
- ☒ C. A scary and tense atmosphere
- D. A busy school morning

3. Why does Ingrid think the sound is not the clock?

- A. The clock is broken
- B. The sound is too loud
- ☒ C. The sound is moving like footsteps
- D. The clock is downstairs

4. How can you tell that Ingrid is frightened when she goes onto the landing?

- A. She laughs loudly
- ☒ B. Her knees are shaking
- C. She starts singing
- D. She falls asleep again

5. Why does Ingrid wake up the other girls instead of facing the noise alone?

- A. She wants to chat
- ☒ B. She thinks she might be in danger
- C. She wants help with homework
- D. She is angry with them

6. What does the girls' choice of weapons (boots, hairbrush, pillow) suggest?

- A. They are well prepared
- B. They are trained fighters
- ☒ C. They are scared and using whatever they can find
- D. They planned this earlier

7. Why does the hall seem especially frightening to the girls?

- A. It is very noisy
- B. It is brightly lit
- ☒ C. It is dark and shadowy
- D. It is full of people

8. What does the figure's scream tell the reader?

- A. It is brave
- B. It is angry
- ☒ C. It is also scared
- D. It is pretending

9. Why does Ingrid threaten to call the police even though she has no phone?

- ☒ A. She wants to trick the figure
- B. She knows the police are nearby
- C. She enjoys shouting
- D. She is sure it is a burglar

10. What does Ingrid's behaviour show about her character?

- A. She is careless
- B. She is lazy
- ☒ C. She is brave even when scared
- D. She likes to cause trouble

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1. Which of the following statements is false?
 - A Ingred wakes up from a dream.
 - B The door to Ingred's room is not shut.
 - C Ingred is sharing the room with other girls.
 - ☒ D Ingred is shivering when she wakes up.
 - E Ingred is the only one awake in her room at the start of the extract.

2. Which of the following best describes the weather outside?
 - A Hot and humid
 - B Calm and peaceful
 - ☒ C Wet and wild
 - D Chilly and icy
 - E Drizzly and overcast

3. According to the passage, why does Ingred decide to get out of bed?
 - A The ticking clock is annoying her.
 - B She is too hot to sleep.
 - ☒ C She wants to investigate a strange noise.
 - D She wants to wake up the other girls.
 - E She wants to shut the bedroom door.

4. Ingred has "rather shaking knees" (lines 8-9). What does this suggest about Ingred?
 - A Her legs are stiff after lying in bed.
 - ☒ B She is frightened.
 - C She doesn't have very good balance.
 - D She is cold now that she is out of bed.
 - E She feels unstable walking across the uneven floorboards.

5. Which of the following statements is false?
 - ☒ A It is too dark to see the stairs at all.
 - B There is a small light attached to the landing wall.
 - C There is a banister on the landing.
 - D The hall looks dark from the landing.
 - E The landing is near Ingred's room.

6. "then the outline of a dark figure made its appearance" (lines 20-21). This suggests that:
 - A a person wearing dark clothes appears.
 - ☒ B it is so dark that Ingred can only see the shape of the person.
 - C a person seems to appear out of nowhere.
 - D Ingred isn't sure if there is someone there or not.
 - E the figure that Ingred can see is someone's shadow.

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7. Which of these statements about the person downstairs is true?
- A Their voice sounds menacing.
 - B Their footsteps are very loud.
 - ☒ C They sound afraid.
 - D They know the girls are watching them.
 - E They are heading away from the stairs.
8. Which of the following does Ingrid not do in response to hearing someone downstairs?
- A Watch them from the landing
 - B Wake up the other girls
 - ☒ C Call the police
 - D Throw her shoes at them
 - E Threaten them
9. Which of these words is closest in meaning to "intently" (line 7)?
- A Lazily
 - B Intentionally
 - C Silently
 - ☒ D Attentively
 - E Timidly
10. The word "commendable" (line 22) could be most accurately replaced by:
- A forceful.
 - B fearful.
 - C recommended.
 - D unusual.
 - ☒ E praiseworthy.
11. "It was certainly not the ticking of the clock" (lines 5-6).
This contains an example of:
- A a metaphor.
 - ☒ B onomatopoeia.
 - C a simile.
 - D alliteration.
 - E a pun.
12. "acting on a sudden impulse she dashed into Dormitory 2" (lines 12-13).
The word "sudden" is an example of what kind of word?
- ☒ A Adjective
 - B Adverb
 - C Common noun
 - D Preposition
 - E Pronoun

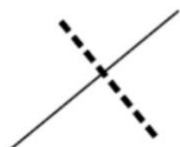
Non – Verbal – Figure Like the First Two



a)



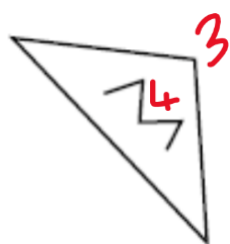
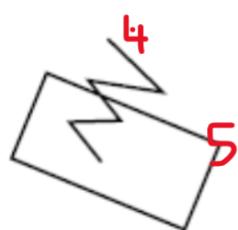
b)



c)



d)



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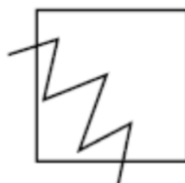
a)



b)



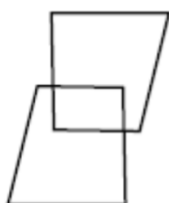
c)



d)



a)



b)



c)



d)



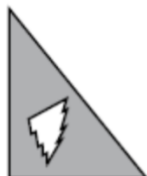


a)

b)

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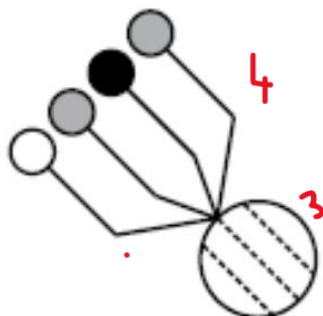
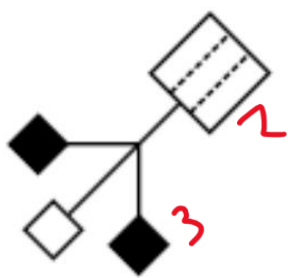
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a)

b)

c)

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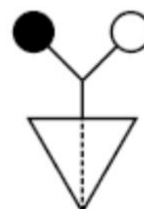
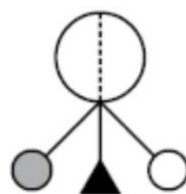
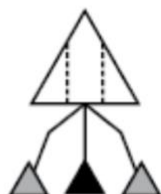
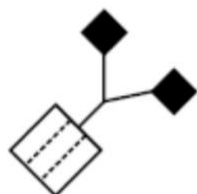


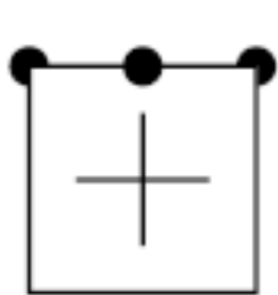
a)

b)

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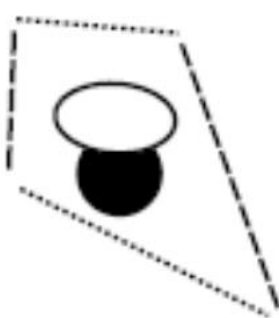
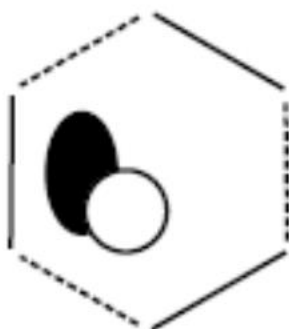
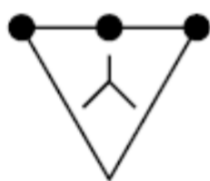


a)

b)

c)

d)



a)

b)

c)

d)

