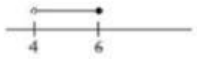
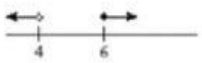
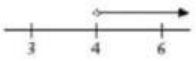
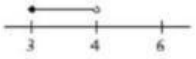
1. Which of the following represents the linear inequalities $8 < 2x \leq 12$?
Antara berikut, yang manakah mewakili ketaksamaan linear $8 < 2x \leq 12$?

A 

B 

C 

D 

- A
- B
- C
- D

2. Which of the following is the converse property of $-3 < -2$?
Antara berikut, yang manakah merupakan sifat akas bagi $-3 < -2$?

- A $-2 < -3$
- B $-2 > -3$
- C $3 < 2$
- D $3 > 2$

3. Solve the simultaneous linear inequalities:
Selesaikan ketaksamaan linear serentak:

$$\frac{x}{3} + 2 \leq 8$$

$$1 - \frac{3}{5}x > 4$$

- A $x < -5$
- B $x < 5$
- C $-5 < x \leq 18$
- D $5 < x \leq 18$

4. Given $2x \leq 11$, where x is a prime number. Find the possible values of x.
Diberi $2x \leq 11$, *dengan keadaan x ialah nombor perdana. Cari nilai-nilai yang mungkin bagi x.*

- A 2, 3, 5
- B 2, 3, 7
- C 2, 5, 7
- D 2, 3, 5, 7

5. Which of the following inequalities is the converse property of $2 < 5$?
Antara ketaksamaan berikut, yang manakah merupakan sifat akas bagi $2 < 5$?

- A $2 > -5$
- B $-2 < 5$
- C $5 > 2$
- D $5 < 2$

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6. Solve the simultaneous linear inequalities:
Selesaikan ketaksamaan linear serentak:

$$9 - 2x \leq 11$$
$$3x - 5 < 7$$

- A $-4 \leq x < -1$
- B $-4 \leq x < 1$
- C $-1 \leq x < 4$
- D $1 \leq x < 4$

7. Given $x > 8$, which of the following operations is true?
Diberi $x > 8$, antara operasi berikut, yang manakah benar?

- A $3x < 3(8)$
- B $x + 9 > 8 + 10$
- C $x - 3 < 8 - 3$
- D $4 - x < 4 - 8$

8. Solve the following simultaneous linear inequalities:
Selesaikan ketaksamaan linear serentak yang berikut:

$$2x - 1 > 7$$
$$\frac{x}{3} \leq 4$$

- A $4 \leq x \leq 12$
- B $4 < x < 12$
- C $4 < x \leq 12$
- D $5 < x < 12$

9. The solution of the linear inequality $x \leq -3$, where x is an integer, is
Penyelesaian bagi ketaksamaan linear $x \leq -3$, dengan keadaan x ialah integer, ialah

- A $-3, -2, -1, 0, 1, 2, 3, \ldots$
- B $-2, -1, 0, 1, 2, 3, \ldots$
- C $-2, -3, -4, -5, \ldots$
- D $-3, -4, -5, -6, \ldots$

10. Khairul rented a bicycle for RM9 per hour. He also needed to pay RM5 for the registration fees. When he returned the bicycle, he paid RM50 in total. What was the maximum number of hours that he rented the bicycle?
Khairul menyewa sebuah basikal dengan kadar bayaran RM9 *sejam. Dia juga perlu membayar yuran pendaftaran sebanyak* RM5*. Apabila dia memulangkan basikal itu, dia membayar sebanyak* RM50*. Berapakah bilangan jam maksimum yang disewakannya?*

- A 7
- B 6
- C 5
- D 4

LIVEWORKSHEETS

11. List all the integer values of m which satisfy both the inequalities $\frac{m}{3} \leq 1$ and $1 - 3m <$

Senaraikan semua nilai integer m yang memuaskan kedua-dua ketaksamaan $\frac{m}{3} \leq 1$ *dan* $1 - 3m < 10$.

- A $-2, -1, 0, 1, 2$
- B $-2, -1, 0, 1, 2, 3$
- C $-3, -2, -1, 0, 1, 2$
- D $-3, -2, -1, 0, 1, 2, 3$

12. Which of the following is **incorrect**?
Antara berikut, yang manakah **tidak** *betul*?

- A $-2 - 2 < -2$
- B $-1 < -2 + 2$
- C $1 > -1 - 2$
- D $2 - 2 > 2$

13. The price of 1 kilogram of chicken is RM13 and the price of 1 kilogram of beef is RM*y*. Sharul buys 5 kg of chicken and 8 kg of beef. Sharul's payment is less than RM226.
Which of the following linear inequalities represents the information correctly?
Harga sekilogram ayam ialah RM13 dan harga sekilogram daging lembu ialah RM*y*. Shahrul membeli 5 kg ayam dan 8 kg daging lembu. Bayaran Sharul adalah kurang daripada RM226.
Antara berikut, ketaksamaan linear yang manakah mewakili maklumat di atas dengan betul?

- A $13 + 8y < 226$
- B $13 + 8y \leq 226$
- C $65 + 8y < 226$
- D $65 + 8y \leq 226$

14. $5^2 \square 4^3$

Which inequality symbol should be filled in the box?
Simbol ketaksamaan manakah yang patut diisikan di dalam petak itu?

- A $<$
- B $>$
- C $\leq$
- D $\geq$

15. Which of the following is an equivalent inequality for $4 + \frac{x}{3} > 6 - x$?

Antara berikut, yang manakah ketaksamaan yang setara bagi $4 + \frac{x}{3} > 6 - x$?

- A $\frac{2x}{3} > 2$
- B $-\frac{x}{3} > 2$
- C $\frac{x}{3} > 2 - x$
- D $-x < 6$

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16. Given $x - 3 < 8$ and x is an integer, find the largest value of x.
Diberi $x - 3 < 8$ dan x ialah integer, cari nilai yang terbesar bagi x.

- A 3
- B 4
- C 9
- D 10

17.



Tina is a car saleswoman. Her monthly basic pay is RM2 000. She is paid commission of 5% of her sales.
Calculate the minimum sales that she needs to make if she wants to earn at least RM6 000 per month.
Tina ialah seorang jurujual kereta. Gaji pokok bulanannya ialah RM2 000. *Dia dibayar komisen sebanyak* 5% *daripada hasil jualan keretanya.*
Hitung jumlah minimum hasil jualan yang perlu dicapai oleh Tina jika dia ingin mendapatkan gaji bulanan sekurang-kurangnya RM6 000.

- A RM80 000
- B RM82 000
- C RM90 000
- D RM92 000

18. Which of the following is an equivalent inequality for $7 + \frac{x}{5} > 9 - x$?

Antara berikut, yang manakah ketaksamaan yang setara bagi $7 + \frac{x}{5} > 9 - x$?

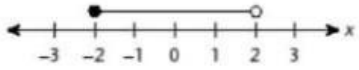
- A $\frac{7x}{5} < 2$
- B $\frac{x}{5} > 2 - x$
- C $-\frac{x}{5} > 2$
- D $-x < 2$

19. Solve the simultaneous linear inequalities $3x - 2 > 10$ and $2x - 5 < 7$.
Selesaikan ketaksamaan linear serentak $3x - 2 > 10$ dan $2x - 5 < 7$.

- A $4 < x < 6$
- B $4 < x \leq 6$
- C $4 \leq x < 6$
- D $4 \leq x \leq 6$

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20. The diagram shows a number line.
Rajah di bawah menunjukkan satu garis nombor.



The inequality represented by the number line is
Ketaksamaan yang diwakili oleh garis nombor itu ialah

- **A** $-3 < x < 2$
- **B** $-2 < x < 3$
- **C** $-2 < x \leq 2$
- **D** $-2 \leq x < 2$

LIVEWORKSHEETS